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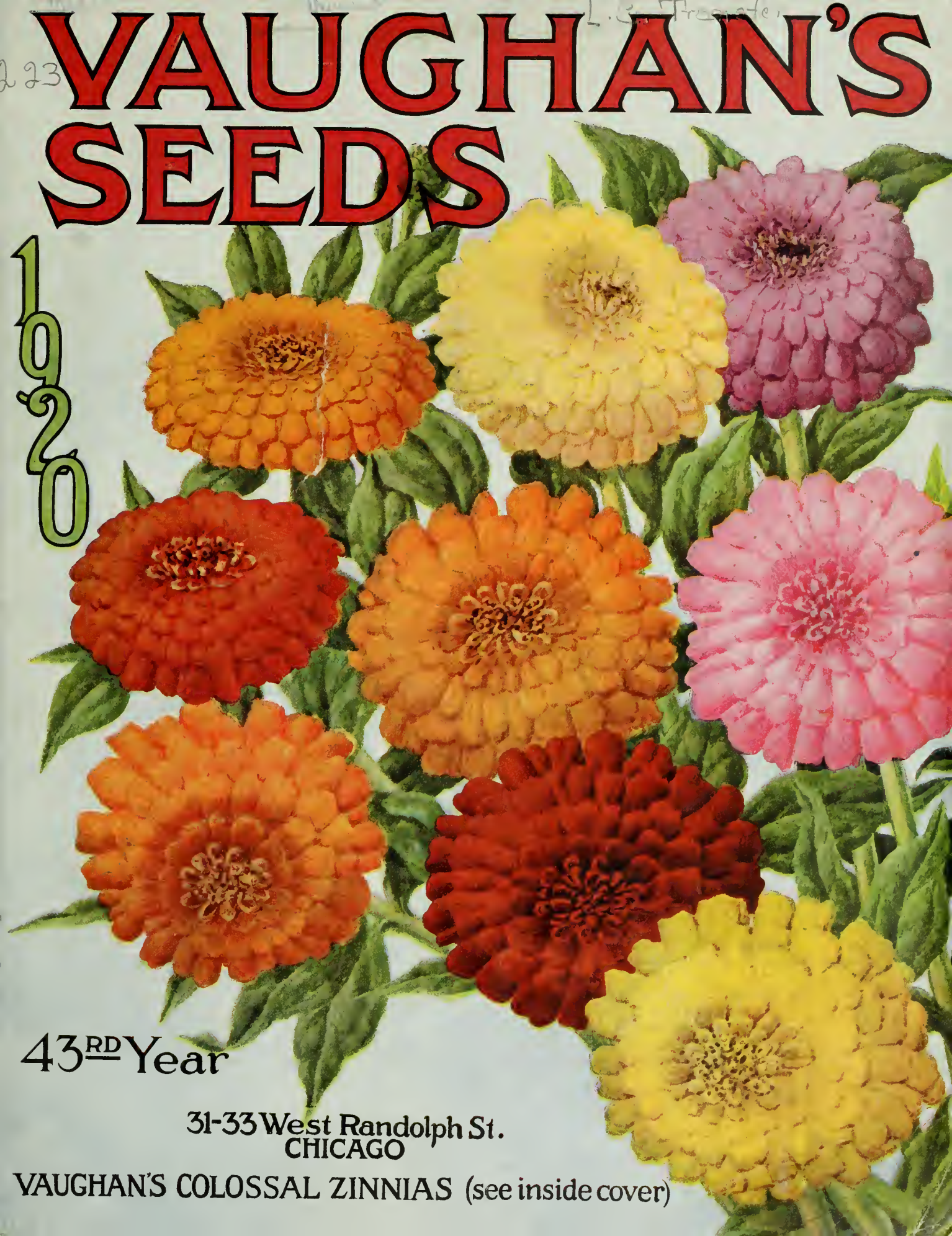
VAUGHAN'S SEEDS

1920



43RD Year

31-33 West Randolph St.
CHICAGO

VAUGHAN'S COLOSSAL ZINNIAS (see inside cover)

FOUR VIEWS OF VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILLINOIS

ONE OF OUR PEONY FIELDS

PROPAGATING FRAMES, PACKING SHEDS

A BLOCK OF APPLE TREES

ROW AFTER ROW OF BLUE SPRUCE

How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

Early Orders Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders sent as early as possible secure the promptest shipment and from our complete stocks.

Daily filling of seed orders is the Vaughan rule.

Order Sheets Use the order sheets accompanying this catalogue. One for **Seeds, Bulbs and Garden Sundries,** the other for **Trees, Plants and other Nursery Stock.** Please fill in all particulars carefully and distinctly and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out. No plants, trees or shrubs sent C. O. D.

Order Trees, Shrubs and Hardy Vines, if possible, **before end of March**—it gives us more time for selecting, packing and shipping when the planting season opens up. Early orders receive first attention.

All Trees Shrubs and Hardy Plants are shipped as soon as weather permits Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February). Mention in your order shipping instructions and date required.

Parcel Post **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites. may be forwarded by **domestic parcel post** within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides. etc., where we give mailable weights throughout the catalog.

You will find your Zone Number following your name on the wrapper of this catalog. Please mark this number in the space provided for same on the top right hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where **peas, beans and corn** form a large proportion, are best sent this way. Orders over 5 lbs. weight going to 5th Zone and beyond, will travel cheaper than by parcel post.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash. but we prefer larger denominations such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money orders payable to "Vaughan's Seed Store."

Free Delivery

We prepay at our option (mail or express) in Local, First, Second and Third Zones from Chicago or New York all Flower and Vegetable Seeds ordered at rates of single packet, ounce, quarter-pound, half-pound and pound; also two pound lots of Peas, Beans and Sweet Corn.

Where bought in quantities exceeding the above, and at special quantity prices, add postage at zone rates.

N. B.—Buyers who reside beyond the third zone from Chicago or New York may have all the seeds above mentioned prepaid for 5c per lb. additional.

This offer includes the 4th, 5th, 6th, 7th and 8th zones and the dependencies of the United States.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

We advise for safety against injury, to use express shipments on parcels weighing over 15 lbs.

See Front Page Illustration.

ZINNIA

Vaughan's "Colossal" Mixture

3725 For ease of culture and value as cut-flowers the Zinnias have no superiors among annual flowers. These "Colossal" Zinnias are so varied in color and beautiful in form that they deserve to be in every garden. Their ease of cultural makes them "every-raiser's" flower. Our mixture contains all shades of Colossal Zinnias in existence today and we are sure the result will be very pleasing. Pkt., 10c; ¼ oz., 30c.

"Say it with Flowers" and send a pkt. or ¼ oz. of these beautiful Zinnias to an old or distant friend, or we will do it for you—with your card. Seeds, bulbs or plants of favorite flowers make an ideal gift remembered and treasured. (See page 91 for separate colors).

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

Our Terms

with customers not having an account are strictly cash with order. We prefer not to send C.O.D., but if wanted by that method, customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D.

Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which are planted in the ground under varying conditions of soil and climate that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised, or seeds may be returned.

We wish it understood that all our stocks are sold under the following conditions.

We Do Not Warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays FREE. BUT seeds ordered at peck, bushel or five pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points we add free, special new varieties of value to partly cover increased postage or express charges.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	5c.	1c.
Second Zone within 50 to 150 miles of either	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
(See our **prepaid offer** above for zones 1 to 3.)		
Fourth Zone within 300 to 600 miles	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone within 1000 to 1400 miles	9c.	8c.
Seventh Zone within 1400 to 1800 miles	11c.	10c.
Eighth Zone all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

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VAUGHAN'S SEED STORE CHICAGO NEW YORK

APR 23 1920 ©CLA568408

The Home Grounds

A Charming Example of the Livable Garden

IN CONSIDERING the purposes of planting in the home grounds, more and more emphasis is being put upon providing a place of reasonable seclusion where the life of the family may be carried on in pleasant weather amid the delightful surroundings afforded by a garden.

Such a place becomes, in effect, an outdoor living room. It is a logical answer to the demands of our summer weather; it carries further the idea which has popularized porch life and puts to valuable use costly space which is frequently wasted.

Why should the owner of a 50-foot lot, 100 feet deep, be satisfied to confine his real use of that area to the space covered by his house, perhaps 25 by 40? If $1,500 be taken as the average ground value of the small home grounds, $300 worth is all that is thus used. The rest is commonly devoted to purely ornamental front lawn, and frequently unsightly back yard used, if at all, for hanging up clothes.

For an expenditure of little more than the cost of a single piece of furniture in the living room, an outdoor apartment may be built, with grass for carpet, shrubbery for walls, and flowers for decorations, which may well be the most frequented part of the home during six months of the year.

Fundamental Rules of Planting

THE fundamental rules for planting in home grounds are few and simple. Shrubbery and flowers should be placed in borders along the boundaries of the lot, and around the foundation of the house. The lawn should be left free. The planting should be in masses, so the individual shrubs do not stand apart. The borders should present irregular outlines, to resemble natural thickets, rather than stiff, obviously artificial plantations. Flowers should be used with the shrubs as a background, in general. Beds may be placed in carefully chosen locations but should not be allowed to break the expanse of lawn, especially in limited areas. Trees should be set among the shrubbery, at points which it is desired to accent, or near the house, to furnish needed shade. The novice who observes these fundamentals, and receives sound advice in the selection of material to plant will produce an effect for which he need not apologize.

WE WILL supply the shrubbery and trees necessary to execute the planting plan illustrated below, for $100.00. This price includes the trees and shrubs only, in the following list, in which the numbers preceding the names refer to the numbered locations on the planting plan:

PLANTING KEY

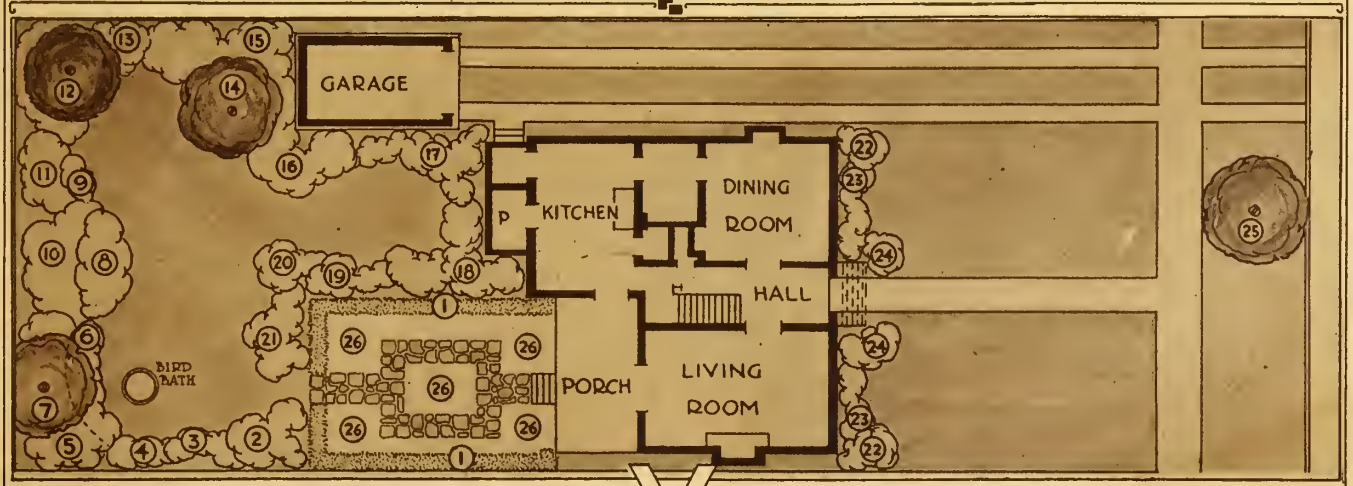
No. 1	Privet Hedge	70 plants.
No. 2	Philadelphus Lemoinei	3
No. 3	Persian Lilac	3
No. 4	Spiraea Colossa Alba	3
No. 5	Forsythia Intermedia	5
No. 6	Spiraea Anthony Waterer	5
No. 7	Purple Leaved Maple 2 inch	1
No. 8	Spiraea Van Houttei	5
No. 9	Hydrangea Paniculata Grd. Fl.	4
No. 10	Lonicera Tatarica Rosea	3
No. 11	Lonicera Tatarica Alba	3
No. 12	Norway Maple 2½ inch	1
No. 13	Sambucus Nigra Laciniata	4
No. 14	Crimean Linden 2½ inch	1
No. 15	Viburnum Opula	6
No. 16	Viburnum Molle	3
No. 17	Aralia Pentaphylla	4
No. 18	Symphoricarpus Racemosus	4
No. 19	Syringa Vulgaris	5
No. 20	Hydrangea Arborescens Grd. Fl.	5
No. 21	Spiraea Thunbergii	4
No. 22	Berberris Thunbergii	6
No. 23	Weigelia Eva Rathke	5
No. 24	Spiraea Froebeli	6
No. 25	English Elm 4 inch	1
No. 26	Perennials. (Not incl'd for $100.00.)	

In sending orders for this collection refer to it as Special Shrubbery Collection R.

An Expert's Plan Saves Years

IN RARE instances, if at all, however, will a beginner realize in full the possibilities of planting, both in beautifying his grounds, and making them serve as a part of his home; and the plan prepared by an expert will ordinarily save years in the complete development.

We illustrate on this page a model planting plan for a 50-foot lot in which considerations of beauty and utility are well combined. It is suitable for a city or suburban home, and will be found adaptable to any lot of this size, or near it. The planting in the front yard is arranged to set off the house and present an attractive appearance to the public. Behind the house and the garage, which shield it from public gaze, is the garden, in which formal and informal arrangements are combined in that practical and pleasing way which is characteristic of the best modern treatment of small home grounds. The trees and shrubs needed for reproducing the plan shown below are offered for $100.00.



Golf Greens

THE game of golf is an importation from Scotland; but the *greens* upon which thousands of devotees in this country play are thoroughly *American*. They must be grown *under the peculiar conditions of soil and climate that prevail here*

Neither the game, its implements, nor the courses are the same now, as when Americans began to play. The greatest cause of change was the invention of the rubbercored ball—an American achievement—which replaced the gutta-percha ball formerly used. The immediate effect was to lengthen shots, and make the play far more a matter of exactness and accuracy than it had been. *Accuracy, in turn, demanded better turf* for greens, and the production of turf perfection is now the chief problem of the grounds committee in every club.

Money is lavished to attain this end, and the expenditure, if not well advised, may easily be wasteful.

Many things have come from Scotland along with the game. Old formulas and maxims, of supposedly great influence in producing good turf, are sometimes found to be mixtures of sound practice and superstition, with the latter dominating.

Expenditures so important as those made on golf greens should be based upon expert advice, founded on American experience and scientific experiment. Neither is apt to be of value unless based on success with conditions as they prevail in the particular section of this country in which the links are located. To adapt the experience of 35 years in making American lawns to the peculiar problems which the production of perfect golf greens presents, *Vaughan's Seed Store* has established a special department.

One of the few seed testing laboratories in the country is maintained, under the management of technical college graduates. Our experts are prepared to advise club managers and greens committees on problems both of production and upkeep. *Sound agricultural science places emphasis upon the value of pure seed, of varieties proved to be suitable to the soil and climate where it is desired to produce turf.* Of equal importance is the physical and chemical condition of the soil. *In treatment to improve soil conditions costly mistakes are often made, which destroy productiveness rather than increase it.* The correct use of fertilizers is not always indicated by laboratory analysis, and the recorded results of years of practical tests are often the more valuable. *Inquiries are invited by our Golf Department. They will assure the inquirer of expert advice based on American experience.*

VAUGHAN'S SEED STORE
CHICAGO - NEW YORK

ADAM was a gardener and all his race seem to have been born with a love of the soil. With each recurring springtime comes a re-awakening of this original instinct to dig the ground and plant the vital seed in the inviting and receptive earth. And every spring is a new one; the bursting of the buds, the greening of the woods and fields as the soft breezes come northward in an April night, give to every man a sense of Nature new born, and newness of life and ambition in himself. Here is another chance for the sower of the seed to make good, to mend old ways, to create new beauty and added values from the willing and patient soil.

Fortunate this year is the man with a garden and a home. In a topsy-turvy world, he at least, securely stands on solid ground, certain of food and shelter for himself and his dependents.

You, blessed with ripening crops, will be the man largely to determine who shall eat in this wild little 1920 world, when, where, how much, or if at all.

All the favorites of yard and garden we now have back in stock. Many attractive novelties have been culled for you from the world's markets and tested by us and our growers for your needs. You will plant VAUGHAN'S SEEDS IN 1920 *for flavor, succulence, color and size in vegetables, and beauty and profusion of bloom and foliage in flowers, as well as quantity production.*

It has been no easy task for us in this year of short supplies and diffieult transportation to gather and grow our extensive stocks. You will surely pardon some pride as we say to you "Ask us for what you want this year—we have it." At least we have it for all the early comers, and we hope for everybody. You can plant this spring what you want and like. Not merely what you are able to get.

GARDENING ADVICE AND COUNSEL

Vaughan's Seed Store is more than a source of material supplies. We supply you gladly with advice and counsel within our field and without charge. We employ many experts in all departments of farming and gardening. We invite you to call on us or write for such information as you need. Do it now before the mid-season rush so that we can give you maximum service. If your name is not on our files for our seasonable Lists and Booklets, may we not have it now?

Very Truly, J. C. VAUGHAN, President.

Five Gold Metals at San Francisco Exposition

READ INDEX AT END. IT TELLS THE STORY

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BE SURE! PLANT VAUGHAN'S

FANCY CLEAN HIGH VITALITY FORMULAE OF

For nearly half a century Vaughan's standard mixtures of Grass Seeds for Lawns, Golf Links, etc., under many conditions of soil, sun or shade, have given general satisfaction.

Our processes of cleaning, re-cleaning and testing for germination, not less than the care taken in selecting the finest the seasons and markets afford, have yielded a degree of uniformity in growth and quality, impossible of attainment with less complete facilities and less knowledge of sources and methods.

Based on more than forty-two years of experience, Vaughan's Lawn Mixtures are most carefully and skillfull prepared.

VAUGHAN'S PUTTING GREEN MIXTURE

A carefully blended and properly proportioned mixture that contains only such deep rooting grasses as will produce a close and permanent turf.

Price, lb. 50c; 5 lbs. $2.25; 50 lbs., $20.50; 100 lbs. $40.00.

We recommend 50 lbs. to the green 100 feet square. **Special prices quoted on large quantities.**

VAUGHAN'S FAIRWAY MIXTURE

Although of less importance than that for Putting Greens has made up with the same scrupulous care. It is composed of perennial native and foreign grasses, of proven value for Fairways, and produces a firm and lasting turf that improves with age if properly cared for.

Price, 1 lb. 40c; 5 lbs. $1.90; 50 lbs. $17.75; 100 lbs. $35.00. Special prices on large quantities.

Sow 100 to 150 lbs. to the acre. **Special prices quoted on large quantities.**

OF IMPORTANCE TO GREEN KEEPERS, GREEN COMMITEES AND ALL WHO PLAY GOLF

There are no dealers in Grass Seed in the U. S. who have a more intimate knowledge of the requirements of critical Green-keepers than Vaughan's Seed Store. This knowledge has been acquired through more than 40 years association with growers of turf forming grasses both here and in Europe, and by experiments with the growth of the various sorts in extensive field trials.

Thus we are competent to qualify as experts and we are glad to give the benefit of our experience to Green Keepers or to Green Committees without charge.

Our mixtures have been used most successfully on many of the best courses in America because they have been made up after careful consideration of the requirements of soil, situation and climate. Write us about your **turf troubles** and let us recommend and quote special mixtures suitable to your particular soil and climate.

Our expert is at your service. We shall be glad to send him to look over your course if necessary, charging you only actual expense incurred.

All our lawn grass mixtures are composed of highest grade fancy grasses, thoroughly recleaned and tested.

VAUGHAN'S TENNIS COURT MIXTURE

Undoubtedly the best there is not only for Tennis Courts but for Cricket grounds, Bowling greens, etc. Sow 50 to 60 lbs. per acre for new greens; 15 lbs. to 20 lbs. to improve existing turf.

Price, lb. 45c; 5 lbs. $2.00; 50 lbs. $16.75; 100 lbs. $33.00.

VAUGHAN'S LAWN FERTILIZER

The high-grade chemical fertilizer sold by Vaughan's Seed Store is immeasurably superior to the best rotted manure. It supplies the essential plant food, which grass, being a voracious feeder, requires to produce the velvety texture and beautiful color, so attractive and inviting to the eye. Manure has undoubtedly the soil enriching quality, but it is unsightly, with offensive odor and worse still usually contains live dangerous weed seeds.

DIRECTIONS: As a top-dressing make first application in early Spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. An equal quantity of sandy loam or good garden soil added to the fertilizer will make distribution easier and will serve to prevent burning. In seedingdown new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price, 5 lbs. 40c; 10 lbs. 70c; 25 lbs. $1.50; 50 lbs. $2.50; 100 lbs. $3.95; 250 lbs. $9.25; 500 lbs. $16.95; 1,000 lbs. $29.00; 2,000 lbs. $57.50.

HARDWOOD ASHES This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and an annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, and freedom from weeds.

Price, 25 lbs., 90c; 50 lbs., $1.65; 100 lbs., $2.75; 500 lbs., $9.00; 1000 lbs., $15.50; 2000 lbs., $30.00.

QUANTITIES OF SEED TO USE FOR NEW LAWNS

1 lb.. for 300 square ft.	25 lbs. for one-fourth acre.
5 lbs. for 1,500 square ft.	50 lbs. for one-half acre.
10 lbs. for 3,500 square ft.	100 lbs. for one acre.
15 lbs. for 4,250 square ft.	

For Old Lawns, use half above quantities to get ideal results. Sow early before withering summer heat comes on.

Cultural leaflet—**"How To Make a Lawn" FREE.** Send for it.

Keep on hand a little of Vaughan's Lawn Restoring Grass Seed to sow on bare spots before every Summer rain.

CHICAGO PARKS LAWN SEED

GRASS SEED FOR LAWNS AND GOLF LINKS

We also prepare special mixtures to meet various conditions of soil and climate. On request our booklet "How to Make a Lawn" will be mailed free.

For beautiful lawns in sunshine or shade, for extensive parks and cemeteries, for golf links and tennis courts, or for hard-used playgrounds, **Vaughan's Grass Seed Mixtures** everywhere produce highest results, not only in beauty but in serviceableness.

Vaughan's "Chicago Parks" and "Columbian" mixtures are the American Standards because they contain only the highest grade of each type of grass of which they are composed.

VAUGHAN'S "CHICAGO PARKS"

Quantities to Use—see opposite page

Vaughan's "Chicago Parks" Lawn Seed is familiarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf without the aid of cheap "quick-showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest grades of evident purity and germination.

For more than 40 years it has been standard in America, each year adding to its popularity and increasing sales

In the great parks and cemeteries, where best results must be had in order to produce beautiful and enduring turf, Vaughan's "Chicago Parks" is used almost exclusively.

Many of the beautiful lawns on the large private estates in New England, Long Island, New Jersey and throughout the middle west, rivaling the famous English lawns, were produced with Vaughan's "Chicago Parks" Lawn Seed.

Vaughan's "Chicago Parks" lawn grass seed is thoroughly cleaned, then re-cleaned. This applies to all the separate kinds of seed contained in the mixture, besides which each lot is tested for germination, in the most painstaking and careful manner.

Price, ½ lb., 20c; 1 lb., 40c; 3 lbs., $1.15; 5 lbs., $1.90; 10 lbs., $3.70; 15 lbs., $5.50; 20 lbs., $7.25; 25 lbs., $9.00; 50 lbs., $17.75; 100 lbs., $35.00.

Postage 8c per lb. extra. See Special prepaid offer below.

Write for special prices on large quantities.

VAUGHAN'S SPECIAL GRASS MIXTURE

Contains a large proportion of the finer, and more expensive grasses, like Rhode Island Bent, Red Fescue, Kentucky Blue, etc., in extra heavy samples, making weight 20 lbs. per bushel. Produces turf of closest, finest texture. Sow 100 lbs. to acre.

Price, per quart, 40c; bushel of 20 lbs., $8.00.

Special Prepaid Lawn Seed Offer. On all orders of Lawn Grass Seed amounting to $2.00 and over, we prepay transportation within 300 miles of Chicago or New York. See other Prepaid Offers on inside front cover page.

VAUGHAN'S "COLUMBIAN"

For Shady Lawns or Sandy Soil

On sandy soil in shade, conditions are met with when making a lawn which require the use of a special grass seed mixture.

To provide **sure** and **beautiful** lawn grass under such conditions, Vaughan's "Columbian" has been prepared with exceptional care.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the United States justifies its use by every one who needs lawn seed for a shady place or for light, sandy soil.

QUANTITY TO USE—On new lawns, use 1 lb. for 400 square feet; 5 lbs. for 2,000 square feet; 10 lbs., for 4,000 square feet; 15 lbs. for 6,000 square feet, 25 lbs., for one-fourth acre; 100 lbs. for one acre. To replenish lawns where turf is thin use 50 lbs. to acre.

Price, lb., 40c; 5 lbs., $1.90; 10 lbs., $3.70; 15 lbs., $5.50; 20 lbs., $7.25; 25 lbs., $9.00; 50 lbs., $17.75; 100 lbs., $35.00.

Write for special prices on large quantities.

VAUGHAN'S DENSE SHADE MIXTURE

Composed of grasses most suited for growing in heavily shaded situations.

Price, Per lb., 60c; 5 lbs., $2.90; per bu. of 20 lbs., $11.00.

Vaughan's Lawn Restoring Grass Mixture

Takes hold and grows quickly on wornout or burned spots. Sow in very **early Spring,** or late Summer and Fall (end of August to middle of October); also before every Summer rain, on thin places. **Price, per quart, 40c; per bushel of 24 lbs., $8.75.**

VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, per lb., 25c; 5 lbs., $1.10; 100 lbs., $20.00.

Kentucky Blue Grass We offer in two grades—**Extra Fancy Seed.** sun-dried, twice re-cleaned. Of very high germination. **1 lb., 45c; 5 lbs., $2.15; 10 lbs., $4.20; 100 lbs., $40.00. Fancy Seed**—Actual weight 21 lbs., per bushel. **1 lb., 40c; 5 lbs., $1.90; 10 lbs., $3.75; 100 lbs., $35.00.**

Red Top Grass **Fancy** re-cleaned. Solid seed, 32 lbs. to bushel. **1 lb., 35c; 10 lbs., $3.25; 100 lbs., $30.00. Common Unhulled** Bushel 14 lbs. **1 lb., 18c; 10 lbs., $1.50; 100 lbs., $14.00.**

White Clover Extra fancy seed. **1 lb., 90c; 3 lbs., $2.60; 10 lbs., $8.50.** Add 8 cents per pound to above prices if wanted by mail.

Truly a fine lawn is "a thing of beauty and a joy forever." Sow Vaughan's Lawn Seed.

VAUGHAN'S Vegetable Seed Novelties and Specialties for 1920

On the following three pages we list the newer, thoroughly tried, varieties of vegetables we consider of merit and also some particularly good or improved strains of standard sorts. We do not rename selected stock of old, well known vegetables, as such practice is confusing to the planter. Where we offer such it is under the name of "Improved" or "Vaughan's Selected," giving the old standard or type name. We are offering three vegetables for the first time this year. Cabbage—"Wisconsin No. 8 or Disease Resistant" and "Haco Earliest Red," and Spinach "Antvorskov"—all splendid sorts. Our back cover illustrates four splendid new sorts.

ASPARAGUS WASHINGTON

NEW GIANT RUST PROOF ASPARAGUS, "WASHINGTON"

This is the first result of thirteen years work in a plant breeding campaign of the Bureau of Plant Industry of the United States Department of Agriculture to produce high yielding pedigreed rust resistant strains of Asparagus. The pedigree-breeding work is being continued, and improved seedlings will be put out later. The asparagus plant is dioecious, that is there are male and female plants and two parents are required for seed production. A prepotent male plant "Washington" with a remarkable power for transmitting vigor and rust resistance to the progeny, has been the male plant in the strain we are now able to offer. Numerous carefully selected female plants have been used. Seed from separate female plants we are not yet able to offer. The Washington stock strain we offer represents the progeny of the most uniform rust resistant, highest yielding, largest size and quickest growing plants selected from thousands on trial. We urge all and especially commercial growers to give this a thorough trial.

Pkt., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.
Roots—1 yr. old, doz., 40c; by mail, 48c; 100, $2.00; mail, $3.50
Roots—2 yr. old, doz., 60c; by mail, 68c; 100, $3.00; mail, $3.50

Vaughan's Specials

VAUGHAN'S SPECIAL

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

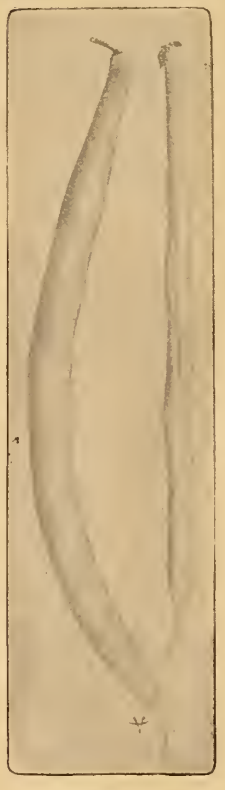
THERE ARE NONE BETTER.

EXHIBITION BUSH BEAN

Sutton's Masterpiece

Green Pod—This is the finest of all exhibition sorts. The pods are thin, flat, straight, and much longer than the old standard Bountiful. A basket of these long, slender, dark green beans makes a splendid show indeed. In season a first early, it is also a heavy yielder. On a market where a flat, green bean sells, it is one of the best market varieties. A good forcer for greenhouse use.

Pkt., **15c**; ½ lb., **35c**; **1 lb., 65c**; 2 lb., **$1.25**; 10 lb., **$5.50.**



BUSH BEAN
Sutton's Masterpiece

WE ARE BEAN GROWERS

In Central Michigan, Vaughan's Seed Store is growing on our own farms, and under our direct supervision, pure bred bush beans. Every field is carefully cleaned of "off" plants. Our commercial stocks are replenished by line breeding from original single vine selections; our seed is selected to be as free as possible from blight or anthracnose. Artificial dryer and extra expense on cleaning and picking produce a sample higher in germination and of much better appearance than that of any other firm of which we know. See pages 12 and 13.

CABBAGE DISEASE (YELLOWS) RESISTANT

Wisconsin No. 8

The loss and destruction of large acreages of cabbage by the diseases called "Yellows" in the commercial growing sections of Southern Wisconsin caused an investigation by the Plant Pathologists of the University of Wisconsin. Prof. L. R. Jones of that university has solved the problem of this evil by selecting and breeding a yellows disease proof variety of cabbage which is practically immune from attacks but no claim is made to freedom or immunity from other diseases, such as club foot, stem rot or black rot. Remarkable success has followed the introduction of this variety in diseased sections. Large crops have been produced from disease resistant seed where other varieties have failed entirely. The type is not as uniform but in general habit of growing and also good keeping qualities it resembles the Hollander variety—see page 18. Pkt., **10c**; ½ oz., **85c**; 1 oz. **$1.50**; oz., **$2.75**; ¼ lb., **$5.25**; lb., **$20.00.**

NEW RED CABBAGE "HACO"

The Easliest Round Red Cabbage. The color is a superb dark red. The head is round or oval and very firm. The ribs of the leaves are small and delicate, necessary for the highest quality. In the weight the heads will average around three pounds trimmed. Haco is a Danish introduction and in that country in trials with other early red sorts it far surpassed everything in the trial both in yield and quality. We offer introducers seed.

Pkt., **15c**; ½ oz., **65c**; oz., **$1.25**; ¼ lb., **$4.00.**

In this section we have tried several strains of the Celery Cabbage, but yours is by far the best and has given better results.
JONES SEED CO., Grand Rapids, Mich.

THE CHINESE PE TSAI
THE VAUGHAN STRAIN

CELERY CABBAGE OR CHINESE PE TSAI

(See Cover Illustration.)

This excentionally fine vegetable is rapidly growing in public favor. It possesses characteristics which place it as a cabbage in a class entirely by itself. In shape it is unlike any other familiar type of the cabbage family. Its habit of growth resembles the Cos Lettuce; the outer leaves, however, have the general texture of ordinary cabbage. Seedlings are so unlike the ordinary cabbage that many planters often think at first they have planted turnips. When the outside leaves are stripped away the cabbage presents a well nigh irresistable appearance combining a picture of Lettuce and Celery. Our strain of this seed is by far the best of any we have seen—grown in China by a specialist, whose family has raised and selected this particular type for many years. Note the compact, tightly folded leaves in our illustration and their beautiful whiteness and crisp appearance. The heads blanch without tying.

"A SALAD VEGETABLE" is David Fairchild's summary of Petsai in a recent Journal of Heredity. As palatable as lettuce, keeps better, equal in food value and can be grown at half the cost of lettuce. Boiled like cabbage it is of equal flavor, without offensive odor and many people who cannot eat or do not like cabbage enthuse over Petsai. Plant in July.

There are several strains, the Petsai is, we think, the best of all.
Pkt., **10c**; ½ oz., **50c**; 2 oz., **95c**; ¼ lb., **$1.60**; lb., **$5.50.**

HACO CABBAGE

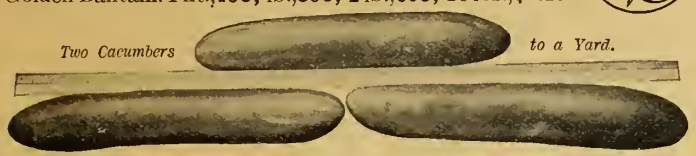
Vaughan's Special Early Sweet Corns

Recent trials of experimenters tend to show that Michigan grown Sweet Corn is of exceptionally high quality, particularly vigorous and free from disease. We grow on our own farms in Michigan nearly all of the better early sorts which mature in that climate. Varieties are carefully bred and kept isolated from other sweet corns and field varieties. In harvesting we husk in the field and remove at once to our heat dryers where with perfect ventilation we turn out a product which averages 10 to 15 percent higher in germination than we can obtain under any other methods. We are especially proud of our Golden Bantam, Malakoff, Early Iowa, Mammoth White and Early Red Cory, Early Evergreen, Howling Mob and Early Champion varieties. See pages 24 and 25.

VAUGHAN'S BANTAM EVERGREEN

The Golden Sweet Corn—(See Back Cover Illustration)

One-third larger than Golden Bantam. Ten days to two weeks later, it can be planted with Golden Bantam and will mature later after that variety has passed the usable stage. It is thinner hulled than Golden Bantam and fully equal in quality. Had we only one choice in Sweet Corn this would be it. Market gardeners will find it produces as heavily as a main crop sort and will sell on the market because of its larger size. Better than Golden Bantam. Pkt., **15c**; lb., **30c**; 2 lb., **60c**; 10 lbs., **$2.25.**



NEW CUCUMBER—"The Vaughan"

(See Back Cover Illustration.)

This has proved the sensational novelty we claimed it last year. It is as much in advance over the Davis Perfect variety as the "Davis" was over the old extra long White Spine sorts. Compared to the other cucumbers of the same class (long white spine varieties) like Davis Perfect and Fordhook Famous it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety. Our customers, who raised it last year, had perfect greenhouse cucumbers raised out doors. We offer in limited quanties only. Pkt. **10c**; oz. **50c.**

VAUGHAN'S MALAKOFF SWEET CORN

The earliest really sweet Sweet Corn. The best of all for northern localities; in the Northern States and Canada where the season calls for quick maturity. The white cob ears are small, slender and 12 rowed. It is a dwarf growing corn, rarely exceeding 4 feet in height; the stalks usually average two ears each. The kernels are shallow and sweet. Our stock has been carefully re-selected and crop harvested on our Michigan farm. Growing in that latitude insures an extra early strain. Malakoff on our Michigan farms is the earliest as well as the sweetest of all extra early corns. Pkt. **10c**; lb. **30c**; 2 lbs. **55c**; 10 lbs. **$2.25.**

CUCUMBER EARLY FORTUNE

An especially fine, medium length, White Spine Cucumber much planted in the south for shipment to the northern markets. It has a fine, dark green color which it holds for a long time after picking. It shows no white coloring before ripening. Early, prolific, uniform and well shaped.

It is equally good for northern summer planting in the home garden. Pkt., **5c**; oz., **15c**; ¼ lb., **45c**; lb., **$1.40.**

VAUGHAN'S "MILWAUKEE" MUSKMELON

The ideal home and home market melon. Some years ago a splendid quality melon made its appearance in Milwaukee, Wis. It was known under several names—"Milwaukee," "Pfister" and "Honey" were the most popular. It originated, as far as we have been able to learn, near Burlington, Wis., as a cross between the old Surprise and a Gem melon. Vaughan's Seed Store was among the first to secure a supply of seed and since that time we have been improving it, growing it ourselves. It is being more and more planted, usually appearing in some home market under an entirely new and distinct name. The melons are large, good specimens, weighing 8 to 10 pounds. The skin is light green, fruits nearly round, with only slight sutures, flesh salmon, wonderfully sweet with almost no stringiness. It is not a good shipper as it is easily damaged; however, during melon season our Ovid, Mich., farm has hundreds of visitors who motor miles to buy these melons even though already cut and seeded.

Pkt., **10c**; oz., **25c**; ¼ lb., **75c**; lb., **$2.50.**

VAUGHAN'S "MILWAUKEE" MUSKMELON—HALF ACRE FIELD WHICH NETTED GROWER OVER $650.00

Vaughan's Pedigreed Onion Seed

CHAMPION IDEAL YELLOW GLOBE ONION

IDEAL YELLOW GLOBE ONION

A superb new selection of the Yellow Globe Onion. Instead of a ball shape, like the Southport Yellow Globe, the onions are elongated, formed like a pear. The neck is small and keeping quality is excellent. Under favorable conditions this type will out-yield the Southport and on the market they have the finest appearance of any other sort. Growers for fancy trade should try this new type.

Pkt., **10c**; oz., **25c**; ¼ lb., **80c**; lb., **$2.75.**

We grow near Chicago the most popular globe or commercial varieties of Onion Seed. Our strains are, we believe, the highest type possible to be had. The largest commercial growers come to us each year and willingly pay the slightly higher price for our eastern seed, knowing they obtain onions more uniform and truer to type, better keepers, and heavier yielders than they can buy anywhere else. See pages 34, 35 and 36 of this catalog.

VAUGHAN'S SPECIAL

Four of the Best New Peas

IN LIMITED SUPPLY

VAUGHAN'S TOP O' THE MORN

A new Giant Podded Dwarf Pea. We like it particularly because of its vigor and ability to produce a crop under unfavorable conditions. Year in and year out Top O' the Morn will far outyield other varieties in its class. The vines are of a deep green color, growing 18 inches in height—no staking required. The pods are blunt-ended, like Nott's Excelsior, but much longer, and are produced in pairs and clusters all up to haulm.

VAUGHAN'S SPECIAL

Pkt., **10c**; lb., **45c**; 2 lbs., **90c**; 10 lbs., **$3.75.** Larger quantity at 10lb. rate.

PEA, MARCHIONESS

A valuable addition to the tall, early varieties. It may be briefly described as an extra early Gradus. Pods are of equal size to Gradus, and in season several days earlier. Quality superlative. The finest high quality early garden pea.

Pkt., **10c**; lb., **45c**; 2 lbs., **90c**; 10 lbs., **$3.75.** Larger quantities at 10 lb. rate.

LITTLE MARVEL (DWARF PEA)

Mr. Amateur Gardener plant this pea! We are fortunate in having a supply this year while most growers and seedsmen are unable to offer it at all. In season and general habit it is the same as Nott's Excelsior and American Wonder, a bigger yielder and it remains in picking condition a week longer, remaining sweet and tender while the other sorts become hard and tasteless. Quality the best. Pods 3¼ inches; height, 18 inches. Pkt., **10c**; lb., **50c**; 2 lb., **$1.00**; 10 lb., **$4.50**

MARKET SURPRISE

A new large podded smooth seeded extra early pea. The pods are almost as large as the standard Telephone variety. White seeded it is only a day or two later than the first earlies. A fine first early for the market gardener and for the many who like the flavor of a smooth seeded pea.

Pkt., **10c**; lb., **40c**; 2 lb., **76c**; 10 lb., **$3.00.**

NEW CHICKEN LETTUCE

Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head but sends up a stout stalk three or four feet high just loaded with leaves.

Pkt., **5c**; oz., **20c**; ¼ lb., **65c**; lb., **$2.25.**

We print a special Poultry and Rabbit Catalog. Drop us a postal if interested.

NEW TOMATO, VAUGHAN'S "NEW YORK"

An extra fine, large, heavy yielding, second early red Tomato especially suited for the home garden to follow the extra early varieties like Earliana and John Baer. An old customer and friend, W. E. Vail of Yorktown Heights, New York, gave us this variety after hybridization work through a period of years. "New York" has a beautiful rich red color, firm high colored flesh, it is of large size with the vines vigorous and productive. Unlike some of the early sorts the plants yield large sized fruits to the end of the season.

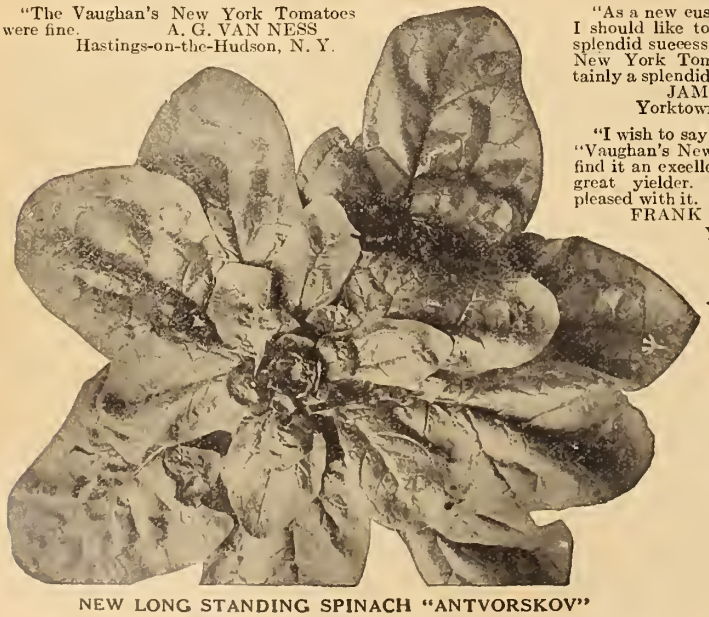
VAUGHAN'S SPECIAL

Pkt., **10c**; ½ oz., **30c**; oz., **60c.**

"The Vaughan's New York Tomatoes were fine. A. G. VAN NESS
Hastings-on-the-Hudson, N. Y.

"As a new customer this year, I should like to tell you of the splendid success I had with your New York Tomato. It is certainly a splendid variety.
JAMES J. MEAD,
Yorktown Heights, N. Y.

"I wish to say that I tried your "Vaughan's New York" Tomato find it an excellent tomato and a great yielder. Am very well pleased with it.
FRANK FAIRCHILD.
Yorktown Heights, N. Y.



NEW LONG STANDING SPINACH "ANTVORSKOV"

VAUGHAN'S NEW YORK

NEW LONG STANDING SPINACH "ANTVORSKOV"

In our trial grounds the past year we were much impressed with this new long standing spinach from Denmark. After all the rest of spinach varieties had become useless and run to seed this one stood in prime condition. Antvorskov forms quite large tufts (or rosettes) compact an low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. It is vigorous and a rapid grower. It is ready for use practically as early as any Spinach and remains in condition much longer. A vastly superior variety to the old Long Standing. Leaves are more numerous, larger, thicker, fleshier and more tender. The seed is round.

Pkt., **5c**; oz., **10c**; ¼ lb., **30c**; lb. **$1.50.**

Our trial grounds located in Michigan and Illinois give us a range of soil and climate where we can observe variations in varieties not possible in one locality. If you have or know of some new or better variety please tell us about it.

Our Kitchen Garden Collections Offered on Page 11 Will Give All the Vegetables a Small Garden Can Produce

FLOWER SEED NOVELTIES

4001 **ANTIRRHINUM. Snapdragon, Nanum Grandiflorum, Rose Dore** ⊙. A lovely new shade, a pretty self salmon rose, shaded gold ..... Pkt., 15c

4002 **—Nanum Grandiflorum, The Fawn** ⊙. A delightful blend of terra-cotta pink and pale yellow, soft and pleasing. Pkt... 10c

4003 **—Majus Nanum, Bonfire** ⊙. A lovely orange or flame color. It has the tints of firelight ..... Pkt. 15c

4004 **—Majus Nanum, Firebrand** ⊙. Fiery orange scarlet flowers ..... Pkt. 15c

4005 **AQUILEGIA, Mrs. Scott Elliott's strain of Long Spurred Hybrids** 2. Selection made by an English fancier who does this work as a hobby and a labor of love, the profits being turned over to charity. The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colours being entirely new in the speeies and are the result of very many years careful hybridisation. There are no crude or jarring tints and all form a most harmonious mass of colour .... Pkt., 25c

4006 **ASTER, American Beauty** ⊙. 2½ ft. Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. It is the first of a new strain of late branching habit, and of robust growth. The flowers are fully double to the last and are a most lovely shade of bright carmine-rose, almost identieal with the World-Famous American Beauty Rose. Each plant forms a perfect bush. Large pkt., 25c Small pkt 10c

4007 **ASTER, American Beauty, Purple.** Same as above, but a beautiful rich velvety purple. Pkt. 15c

4008 **ASTER, Mammoth Non-Lateral Branching White** ⊙. 2 ft. This is without doubt the largest Aster on the market. Many of the flowers will measure four inches in diameter. The plants grow about two feet high with a low branehing habit, and the flowers which are borne on non-lateral stems are full, with petals curled and incurved, making the flowers appear like a cross between an Ostrich Feather and a Giant Branching, which has a very pleasing effeet. Pkt ..... 15c; 2 pkts for 25c

4009 **ASTER, Mammoth Non-Lateral Branching Blue** ⊙. 2 ft. Very like the preceding except the flowers are a medium shade of blue. Pkt ..... 15c; 2 pkts. for 25c

COSMOS—DOUBLE CROWNED AND CRESTED

4010 **CELOSIA. Plumosa Cristata** ⊙. A plumed cockscomb. It produces large heads and plumes of many colors which are as delicate and fluffy as the finest ostrich feathers and are wonderfully beautiful. A large per cent of those heads or plumes are crowned with small cockscombs of various shapes with a texture like velvet plush, and free from disfiguring seeds, the most brilliant and lasting annual and superior to anything yet produeed in Celosias. Pkt., 25c

COSMOS, ⊙ New Race of Double-Crowned and Crested. The plants are similar in habit to our famous strain of early-flowering Cosmos, and a fair percentage have double crowns, which give the flower a very dainty and exquisite appearance. The colors are pure white and a delightful shade of shell-pink. A large percentage come true from seed, both as to color and doubleness. The single which the strain produces is also very beautiful. See illustration.

4011 **Double Pink Beauty** ..... Pkt., 15c

4012 **Double White Queen** ..... Pkt., 15c

4013 **DAHLIA, Elite Mixture** ⊙. We are fortunate in being able to offer this special strain of Dahlias. It is a mixture of the double Peony-flowered, double Cactus-flowered, double Deeorative and double Show varieties which were all grown separately and mixed together. Dahlias bloom from seed the first year if sown early. There is a wonderful assortment in this mixture. (50 seeds.) ..... Pkt. 25c

4014 **DIANTHUS Laciniatus Splendens** ⊙. A most distinct and striking new Annual Pink. The flowers are beautifully fringed and come in various shades of red with large white clusters and white edges around the petals. The plants are of eompact habit like all the Laciniatus sorts and a bed or border of these all-summer-blooming Pinks forms a most pleasing and effective feature in every garden ..... Pkt. 25c

4015 **DIANTHUS "Magpie"** ⊙. A single annual, ever-blooming Garden Pink with large flowers of the deepest dark red, almost as black as Pansy Dr. Faust, edged with clear silvery white. The marking is very clear and conspicuous. The plants are very free-blooming and the plants are of rather dwarf and compact habit ..... Pkt. 20c

4018 **ESCHOLTZIA Chrome Queen** ⊙. Beautiful clear ehrome yellow ..... Pkt., 15c

4019 **ESCHOLTZIA, The Geisha** ⊙. 1 ft. A new fluted Eschscholtzia of fantastic oriental effect, the petals being prettily erimped, which adds light and shadows to the brilliant coloring—orange red outside, rich golden within. Habit of plant, bushy, compact and upright. ..... Pkt., 15e

4020 **ESCHOLTZIA, Orange King** ⊙. 1 ft. We have made a selection from the wild flowers of those having the finest deep rich orange color and the largest flowers. The plants also have responded to cultivation and the blossoms are larger in size than the wild sort, but of the same color. Here is the true wild Escholtzia, extra scleeted. ½ oz., 25c ..... Pkt., 10c

4021 **ESCHOLTZIA, Vesuvius** ⊙. A new and absolutely distinct color in California Poppies. A brilliant wall-flower red with the same intense color inside petals as outside. A strong grower and very free flowering. This is an American novelty and of great merit. ..... Pkt., 15c; 2 Pkts. for 25c

4022 **LOBELIA "Pearl."** A new dwarf Lobelia of exceptional merit, entirely distinct from existing varieties. The plants are of dwarf compact growth, the flowers are large, white edged light blue — a most pleasing and effective combination ..... Pkt., 25e

4023 **LYCHNIS Arkwrightii** 2. A cross between L. Chalcedonica and Haageana, having the upright habit of Chalcedonica, with the flowers of Haageana, but very greatly improved. A botanical novelty of great merit, and a decided acquisition. A new herbaceous border plant, also eminently adapted for summer bedding, making a gorgeous and long-lasting display, in many new and lovely eolors. One of the easiest plants to propagate. Seeds sown early in the year under glass, and grown on, make suitable plants for bedding-out, the same season; growing about 18 inches high. The succeeding year's growth attaining 24 to 30 inches, producing greater abundance of flowers, and showing its true character to perfection. Sow in spring or summer for following year's flowering... Pkt. 25c

4027 **PANSY, Special Mixture of Orchid Flowered Varieties.** 8 in. ⊙. Including only pretty tints and combinations of cream, primrose, and pale mauve, the flowers being exquisitely frilled and veined in contrasting colors. These delicate shades should not be mixed with stronger colors, but grown separately ..... Pkt. 25c

4028 **PETUNIA Rosy Morn. Improved.** 12 in. ⊙. The plants are bushy and compact, the medium sized flowers, produeed in great abundance throughout the entire summer and fall are of a most pleasing clearpink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds ..... Pkt. 25c

Sweet Peas

GIANT SPENCER SWEET PEA MRS. CUTHBERTSON

3967 **VAUGHAN'S SPECIAL MIXTURE, Spencer Varieties.** In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the sorts listed but others which are new and striking in this class as well as some of the new Early Flowering or Butterfly varieties.

VAUGHAN'S SPECIAL

Price, Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.

3968 **Spencer Hybrids** in splendid mixture.
Price, Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., $1.80.

10 Best Sweet Peas

3970 Our collection of 10 best Spencer Sweet Peas is so well and favorably known as not to need an introduction to our friends. It is sufficient to say the same care has been taken in making this selection as in former years, and we are confident they will more than please the purchaser.

Price, One (regular size) packet of each, **10 for 50 cents,** postpaid. If bought separately would cost $1.00.

We cannot make any change in varieties.

White—**Constance Hinton**	Bicolor—**Blanche Ferry**
Pink—**Hercules**	Rose—**Rosabelle**
Light Blue—**Margaret Madison**	Purple—**Royal Purple**
Picotee Edged—**Blue Picotee**	Red—**King Edward VI**
Light Pink—**Margaret Atlee**	Maroon—**Warrior**

Butterfly or

		Oz.	Pkt.
3900	**Agricola.** Faint lavender and blush	$0 40	$0 10
3901	**America.** White ground, heavily striped and flaked with bright crimson scarlet	30	10
3902	**Asta Ohn.** A soft pinkish lavender self	40	10
3903	**Austin Frederick.** A good lavender	40	10
3904	**Barbara.** Salmon orange	40	10
3905	**Bertrand Deal, Improved.** Rosy mauve	30	10
3906	**Blanche Ferry.** Rose standard and wings white, suffused and tinted with light pink	25	10
3907	**Blue Jacket.** A navy blue Spencer	40	10
3908	**Blue Picotee.** White, edged violet	35	10
3909	**Bolton's Orange**	40	10
3910	**Buttercup.** A rich cream	60	15
3911	**Chas. Foster.** Pale blush pink, flushed lavender	40	10
3913	**Constance Hinton.** A black-seeded white Spencer of enormous size. The young flowers generally tinted a trifle pink which turns pure white as the flower develops	40	10
3914	**Countess Spencer.** Clear pink deepening somewhat towards the edge	40	10
3915	**Dainty.** White ground, with beautiful picotee edge of rose pink	35	10
3916	**Dobbie's Cream.** Deep cream or primrose	40	10
3917	**Dobbie's Lavender Geo. Herbert.** Improved Florence Nightingale opens a little mauvish but clears to pure lavender	40	10
3918	**Doris Usher.** Apricot and buff	35	10
3919	**Edith Taylor.** Bright salmon rose	35	10
3921	**Edward Cowdy.** Glowing orange scarlet	40	10
3922	**Elfrida Pearson.** Large pale pink flower, the buds and young flowers having a distinct tint of buff	40	10
3923	**Empress Eugenie.** Light gray flaked with lavender	35	10
3925	**Fiery Cross.** Intense orange scarlet	80	15
3926	**Flora Norton.** Light blue	35	10
3931	**Henrietta.** A large duplexed cream pink	40	10
3932	**Hercules.** A rich pink flower	40	10
3933	**Illuminator.** Rich salmon pink	40	10
3934	**Jean Ireland.** Beautiful cream color edged with pink	40	10
3935	**King Manoel.** Chocolate maroon self	40	10
3937	**King Edward VII.** The best pure red Spencer	50	10
3938	**Loyalty.** Blue striped	35	10
3939	**Margaret Atlee.** Rosy, salmon pink on a creamy buff ground	40	10
3940	**Marks Tey.** Huge maroon standard bluish wings.	40	10
3941	**Margaret Madison.** A beautiful self colored azure blue	40	10
3943	**Masterpiece.** Clear lavender self, slightly flushed rose on standard	40	10
3944	**Miriam Beaver.** Light apricot and buff	40	10
3945	**Mrs. Cuthbertson.** Standard rose-pink, wings nearly white an improved Blanche Ferry	40	10
3946	**Mrs. E. Cowdy.** A rich deep maroon self	50	10
3947	**Mrs. Hugh Dickson.** A light salmon pink on cream ground, strong grower	30	10
3948	**Mrs. Routzahn.** Buff or apricot ground flushed and suffused with delicate pink	30	10
3949	**Nubian.** Fine chocolate color	40	10
3950	**Old Rose.** Old rose	40	10
3951	**Othello.** Of immense size, rich maroon	35	10
3952	**R. F. Felton.** Lilac standard, grey wings	35	10
3953	**Robert Sydenham.** Rich orange self	35	10
3954	**Rosabelle.** A very fine large rose-colored flower	40	10

Sweet Peas

Spencer Varieties

		Oz.	Pkt.
3955	**Royal Purple.** Rich purple	$0 35	$0 10
3956	**Senator.** Claret and chocolate stripe on gray	20	10
3957	**Sincerity.** A fine scarlet cerise	40	10
3958	**Stirling Stent.** A deep salmon colored flower	30	10
3959	**Tennant.** Purplish mauve, a large, fine flower	30	10
3960	**The Cardinal.** New brilliant poppy scarlet	50	10
3961	**The President.** Glowing scarlet self	40	10
3962	**Thomas Stevenson.** Bright orange scarlet	35	10
3963	**Vermilion Brilliant.** A brilliant scarlet Spencer	40	10
3964	**Warrior.** Rich chocolate maroon	40	10
3965	**Wedgewood.** A lovely self blue	40	10
3936	**King White.** Produces gigantic flowers absolutely pure white	40	10

Early Flowering Long Season Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period.

		Oz.	Pkt.
3971	**Asta Ohn.** This is a most popular lavender	$1.00	$0 10
3972	**Aviator.** Brilliant scarlet	2.00	20
3973	**Cream.** Identical in color and size of blossom to Dobbie's Cream. It has immense blossoms very frilled and duplexed	80	10
3974	**Heather Bell.** The color is a rich but pleasing mauve, but after standing in water the color becomes a beautiful mauve lavender	1.00	10
3975	**Helen Lewis.** Very fine shade of salmon pink	1.00	10
3976	**Liberty.** Brilliant red	1.00	10
3977	**Melody.** This is a deeper shade of pink than "Early Song Bird" on white ground, closely resembling Countess Spencer	80	10
3978	**Miss Louise Gude.** Flowers large shell pink	1.00	10
3979	**Morning Star.** Deep orange scarlet or flame color in standard, with rich orange pink wings. Under glass it is magnificent	1.00	10
3980	**Mrs. A. A. Skaach.** Flowers bright shell pink. Sow in late fall and winter for spring blooming	80	10
3981	**Mrs. M. Spanolin.** Black-seeded white	80	10
3982	**Mrs. William Sim.** Apricot pink	80	10
3983	**Mrs. C. A. Zvolanek.** Clear lavender	1.00	10
3984	**Pink and White.** Blanche Ferry type, extra	80	10
3985	**President Woodrow Wilson.** Magenta-rose	80	10
3986	**Rose Queen.** Asplendid pink. Sow in summer for winter blooming	1.00	15
3987	**Song Bird.** The flower is the light pink on buff ground	80	10
3988	**Spring Maid.** Light pink on a cream ground. It is a most effective flower and carries a great wealth of blossoms borne in fours on long stems	1.00	10
3989	**Snow Flake.** This is the best early-flowering white seeded Spencer. The blossoms are very large and of the best waved Spencer form. The flowers are borne in wonderful profusion ou long stems	..	10
3990	**The Beauty.** Dark fiery rose	1.00	10
3991	**Venus.** Standord white, slightly blushed pink wings	80	10
3992	**Warbler.** Rich mauve purple	1.00	10
3993	**Wedgewood.** Identical in color and size of blossom to the late flowering Wedgewood, and is a magnificent clear blue	1.00	10
3994	**White Orchid.** White flowers of good substance	80	10
3995	**Yarrawa.** The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff with blush wings	80	10
3996	**Zvolanek's Blue.** Very large, bright blue	90	10
3997	**MIXED. Winter Flowering Spencers,** many kinds ....½ oz., 40c	70	10

SPENCER SWEET PEA HERCULES

Peace Collection — **Spencer Sweet Peas**

No. 1 1 pkt. each, **KingEdward VII.** (Red), **Constance Hinton** (White), **Flora Norton** (Blue), prepaid for **25c**

No. 2 Mixed Red, White and Blue . . oz. **30c**, pkt. **10c**

4075 **TITHONIA SPECIOSA, "Mexican Sunflower."** A rare plant from Mexico. Perennial throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single zinnia; color dazzling orange scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house if lifted before frost. **Pkt., 15c.**

4076 **TRACHELIUM COERULEUM.** A very unique tender perennial of the Campanula family which grows to a height of about 2 feet and produces an abundance of violet-blue flowers, salver-shaped, with a long and very narrow tube. Its normal time of blooming is from June to August, but can be made to bloom again until late in fall by cutting the branches half way down, after which new flower spikes will make their appearance. **Pkt., 15c.**

"Say it with Flowers"

See our "Friendship Collection" on page 65.

Other Flower Seed Collections can also be sent, according to the wishes of our customers, and we will include their card if sent to a friend.

FLOWER SEED NOVELTIES

4029 **PETUNIA Copper Color** ⊙. Enormous flowers of wonderful color with a deep white throat deeply veined—a shade that attracts and holds your attention. The substance of the petals is firm with a velvety surface. Free flowering but shy seeder. .....Pkt., 25c

4030 **PETUNIA Balcony Queen** ⊙. Pure purple flower of large size with a white throat. Plant with white flowers, alyssum phox, etc., for best effect.....Pkt., 25c

4031 **POPPY Eldorado.** 2 ft. ⊙. This poppy comes to us from one of our Californian friends, who has spent several years in perfecting this type, by rouging and selection. It is totally distinct and will prove one of the finest novelties in the line of annuals introduced in some years. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Large pkt. 20c..Pkt. 10c

4032 **POPPY Eldorado Salmon Shades.** 2 ft. ⊙. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers...Pkt., 25c

4033 **SCHIZANTHUS Grandiflorus, Garaway's Hybrids.** 2 ft. ⊙ A grand strain having graceful fern-like foliage and bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. If seed is sown in February plants will bloom in summer, and if sown in May or June will make handsome subjects for the conservatory in winter.....Pkt., 25c

4036 **VERBENA Lucifer.** ⊙ A new color in the mammoth type with flowers of largest size of a deep cardinal red throughout, a very effective bedder...Pkt., 15c

4040 **ZINNIA Buttercup.** This new and pleasing color is a valuable addition to the collection of Giants, coming positively true to type and color this season.

Buttercup is identical with the other Giant Zinnies, color, pleasing deep primrose which holds its color in bright California sunshine. Takes well and will supercede Cream, Canary and Sulphur Yellow.....Pkt., 25c

NEW GIANT DAHLIA-FLOWERED ZINNIA

4043 **ZINNIA Giant Picotee.** A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations—most attractive and pleasing. All colors mixed.....Pkt., 25c

4044 **ZINNIA Picotee, Golden Pheasant.** A variety of the above, having flowers of a deep orange with maroon tips.....Pkt., 25c

4045 **ZINNIA Victory.** This is a Quilled or canaled type of Giant Zinnia, quite similar to the Novelty Achievement, but with larger flowers and a different range of color. The petals are peculiarly quilled and twisted with a pin wheel effect in the center. The outside of the petals are of a copper golden color and on the underside various shades of rose and lilac, which, when the petals twist, reflect pleasing Autumn flowers .....Pkt., 25c

4050. **ZINNIA "Vaughan's Special" Mixture.** This mixture contains everything that is good, new, choice and rare in Zinnias, including the Colossal Dahlia-Flowered, Picotee, Cactus and Savoja types, and is sure to produce the most pleasing and satisfactory results. 3 Pkts. for 65c.....Pkt. 25c

4041 **ZINNIA New Dahlia Flowered.** This is a new and distinct race of Zinnia, which will greatly increase the popularity of this flower.

The plants of this new race are very sturdy and produce many flowers with stout stems. In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers in full bloom often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance, the flowers compare favorably with the Show Dahlias. The flowering season lasts from July until the frost comes.

We offer this in Mixture; a wide range of color including Golden Yellow, Burnt Orange, Old Rose, Mauve, Cerise, and an endless range of pleasing shades of pink, from Rose Pink to Tyrian Rose, and many bicolor shades, describable only with the aid of a color chart. ..... Pkt., 25c

4042 **ZINNIA Orange Red Crest** ⊙. Color very rich, true orange; many of the flowers carry a crest of scarlet. A very brilliant and unusual formation..... Pkt., 15c

6 Pkts. "Say it with Flowers" 50c.

Regular Price 65c.

The **"Friendship Garden,"** whose treasures are gifts from the garden of one's friends, or are of their choosing, is an idea long in favor with garden lovers. One never wanders through among one's flowers without renewing happy associations—"Mary gave me this" or "John sent me these!" How often one hears this. There are few gifts that keep one's memory green the season through like that of flowers or seeds or plants.

For the convenience of customers who would like to **"Say it with Flowers"** we are offering from our **finest strains** of easily grown flower seeds a **"Friendship Collection"** to be mailed with your card to some flower-loving friend. We have combined them at a special price, so we can make no change in the varieties.

VAUGHAN'S Friendship Collection { Colossal Zinnia Mixed; Special Mixture of Single Poppies; Special Mixture of Strawflowers; Giant Pansy Mixture; Giant Branching Asters, Mixed; Special Mixture of Tall Nasturtium

Every one of these, the "best of its kind," a collection of flowers that can be grown in any garden anywhere, we will mail this collection with your card if for a friend, to any address in the United States or Canada for **50 cents.**

PLANT THE BEST

For the Vegetable Garden

PLANT THE BEST

The best seeds are the cheapest. The comparatively small investment in seed, as compared with labor and other expense necessary to produce vegetables, make it unwise to plant anything but the best. Vaughan's Seed Store sells the best seeds as cheaply as they can be sold. We have proved this for 43 years.

THE SEED SUPPLY FOR 1920. The successful production of seeds in the U. S. during war time, sorts that before the war it was not believed could be grown advantageously here at all has resulted in lower prices, regulated as always by the law of supply and demand. Not only have we been able to produce seeds in **quantity** here in America, but seeds of **very superior quality** in most instances.

Our extensive dealings, and our intimate knowledge of the markets, both at home and abroad, enables us to select the best grades of seeds in the various classes, and to discriminate between those that can best be produced abroad, and those that can be grown to greater perfection at home.

In buying **Vaughan's Seeds,** therefore, you are getting the best the world affords and at prices as low as seeds of **Vaughan quality** can be sold.

Don't fail to write us for prices on quantities if you require larger lots than here priced. We will quote as low as our stocks permit.

We invite you to write us for samples of our **specialties** and growing details.

Cut one year roots two years after planting; two or three year roots, year after setting. Ask for Free Cultural leaflet.

ASPARAGUS ROOTS AND SEEDS

To kill asparagus beetle, mix 10 parts flour, 1 Hellebore; dust with it. Insecticides—After cutting, Arsenate of Lead or Paris Green.

EARLY GIANT ARGENTEUIL—Famous Parisian Asparagus, grows to large size, vigorous and fairly free from rust; superb flavor. Our seed is from one of the larges plantations near Paris.
Pkt., 5c; oz., 15c, ¼ lb., 35c; lb., $1.00.

BONVALLET'S GIANT — Equally good, grown white or green. The white grass is produced by planting deeper than for green, the stalks being cut underneath as the tips show above the ground. Bonvallet's Giant is now planted by the market growers in the Middle West to the exclusion of almost all others on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Moreover, the cutting period is longer than other sorts, as stalk-crowns do not divide until quite tall. This variety is a selection made by a veteran French grower from a healthy, vigorous plant which had resisted the blight of rusts which had destroyed the balance of a large field of Argenteuil Asparagus. Our strain has been improved each year by careful reselection.
Price: Pkt., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; lb., $1.50.

PALMETTO—Standard light green. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

COLUMBIAN MAMMOTH WHITE—Large semi-white shoots—without earthing up. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

CONOVER'S COLOSSAL—A large, fast growing variety.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

VAUGHAN'S KITCHEN GARDEN COLLECTIONS

Buy One and Tell Others

The success which thousands of garden beginners and small holders had the past years with these collections, bought over our counters, has prompted us to offer them here to our distant customers this year.

By taking advantage of our experience in selecting only those kinds that we know will bring results, the customer avoids the fatal mistake of choosing kinds that may be entirely unsuitable.

NOTE: These collections are made up ready for mailing so that we cannot make any changes in varieties or quantities.

Each collection contains a complete assortment of Vegetable Seeds for gardens of the given dimensions.

No. 1 **Complete assortment for a 25 ft. Garden.** Contains **Beans** (2 pkts.); **Sweet Corn** (1 pkt.); **Beet** (1 pkt.); **Lettuce** (2 pkts.); **Radish** (2 pkts.); **Parsley** (1 pkt.); **Carrot** (1 pkt.); **Peas** (1 pkt.) **Swiss Chard** (1 pkt.); **Onion Sets** (1 pkt.)

The above 13 pkts., regular size, many containing enough for successive sowings..... **Prepaid $1.00**

No. 2 **Complete assortment for a 50 ft. Garden.** Contains **Beans** (3 pkts.); **Beet** (1 pkt.); **Kohlrabi** (1 pkt) **Carrot** (1 pkt.); **Peas** (1 pkt.); **Onion** (1 pkt.); **Onion Sets** (1 pkt.); **Cucumber** (1 pkt.); **Lettuce** (2 pkts.); **Radish** (2 pkts); **Swiss Chard** (1 pkt.); **Parsley** (1 pkt.); **Squash** (1 pkt.); **Turnip** (1 pkt.); **Spinach** (1 pkt.); **Sweet Corn** (1 pkt.).

The above 20 pkts., regular size, many containing enough for successive sowings..... **Prepaid $1.50**

Read our suggestions on the inside back cover of this catalog.

NEW ASPARAGUS

VAUGHAN'S SPECIAL

Washington Rustproof

We are pleased to be able to offer seed of this new American strain of giant asparagus. It is the first result of a plant-breeding campaign started by the United States Department of Agriculture to produce a rust resistant asparagus. Rust resistant and vigorous plants selected from thousands have been crossed with a single male plant "Washington" and most careful re-selection practiced. We urge all, and especially commercial growers, to give this a thorough trial. **Pkt., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.**

ASPARAGUS ROOTS

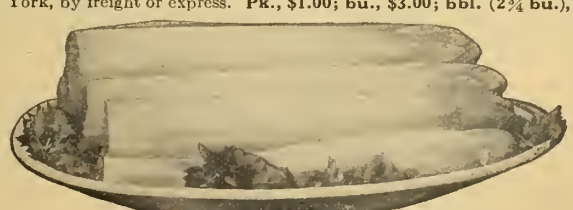
	1-Year Old			2-Year Old			3-Year Old		
	Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant	$0.30	$1.75	$12.00	$0.40	$2.00	$15.00	$0.50	$2.60	$18.00
Barr's Mammoth	...	....	....	.35	1.90	13.00	.45	2.50	18.00
Argenteuil (Giant)	...	....	....	.35	1.90	13.00	.50	2.60	20.00
Conover's Colossal	...	....	....	.30	1.80	12.50	.40	2.30	17.00
Columbian Mam'th	...	....	...	.35	1.90	13.00	.45	2.50	18.00
Palmetto	.25	1.60	11.00	.30	1.80	12.50	.40	2.30	17.00

If by mail add postage as follows: Doz., 5c; 100, 35c — Doz., 8c; 100, 50c — Roots and transplants, By express only.

Extra heavy 3 year old transplants for forcing and immediate results. Giant Argenteuil and Bonvallet's Giant, **doz., 75c; 100, $3.25; 1000, $27.50.**
Other Sorts, doz., 65c; per 100, $3.00; per 1000, $25.00.

ARTICHOKE

GREEN GLOBE—Perennial, large-flowering heads, cooked like Asparagus. Matures second year; not hardy in the North. **Pkt., 15c; oz., $1.35.**
JERUSALEM ARTICHOKE ROOTS—Best hog food known. Easily grown. Three bushels plant an acre, enough to keep 20 to 30 hogs from October to April. Cut and plant like potatoes. **Lb., 35c; 3 lbs., 85c.**
Chicago, freight or express. **Pk., 85c; bu., $2.50; bbl.,** (2¾ bu.), **$5.50.**
New York, by freight or express. **Pk., $1.00; bu., $3.00; bbl.** (2¾ **bu.), $6.50.**



BONVALLET'S GIANT

It may please you to know that every plant, shrub and seed I sent to you for last spring came in splendid shape. Everything grew and gave entire satisfaction.
MRS. J. R. HOLTON, Shevlin, Minn.

U. S. Govt. License No. G31074.

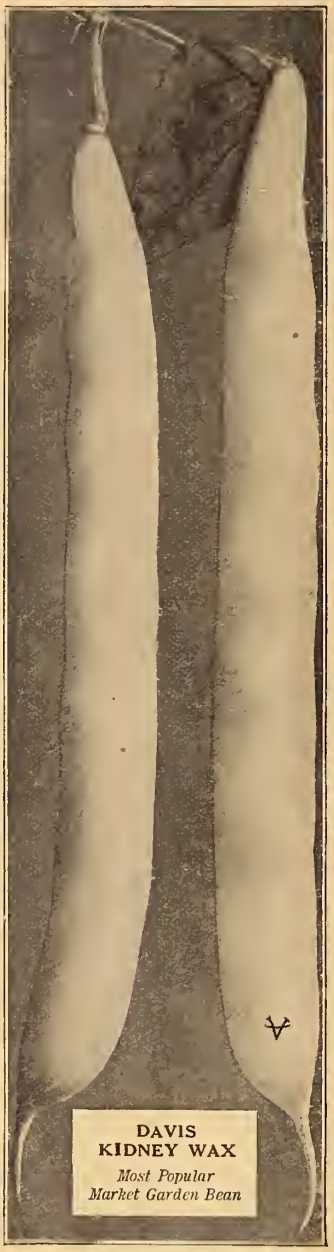
DAVIS KIDNEY WAX

Although in some sections beans have not produced a normal crop suitable for seed purposes, in others the yield has been slightly above the average so that all in all, the supply will be ample for all requirements.

Prices will be found lower than last season, and quality unsurpassed.

Larger quantities of single kinds at 10 lb. rate.

Write or ask for special prices on 50 to 100 lb. lots and over of one or more kinds. Plant Vaughan's.



DAVIS KIDNEY WAX

Vines vigorous and **very prolific,** bear **handsome** waxy white pods 7 inches long; the **finest appearing** of all **early wax beans.** To make this variety entirely rust proof we select constantly and with great care. The dried beans are **kidney-shaped,** clear **white,** splendid for baking; but grown for Snap Beans they should be used while young, when they are free from strings. **Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.**

VAUGHAN'S SPECIAL

SURE CROP WAX

Black Seed. An extra early, perfectly stringless flat Wax Bean. The pods are large and of a golden yellow color, which they assume while still very small. Hardy and prolific. **Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.**

ROUND POD KIDNEY WAX

Is **early,** of **vigorous growth** with **heavy yielding vines; pods** are **long, round** and **entirely stringless;** have **fine flavor** and are edible to the very **tips.** One of the best of the round pods.

VAUGHAN'S SPECIAL

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.

PENCIL POD BLACK WAX

VAUGHAN'S SPECIAL

Bushy vines, **very prolific,** 15-inches high, bear **round, thick, stringless,** rich **yellow pods, 6 to 7 inches long,** containing **black seed** of excellent quality; a splendid sort for the home garden.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

WARDWELL'S KIDNEY WAX

In western prairie soil this sort is at its best, and gives most gratifying results. The pods are **7 inches long,** flat, **brittle, stringless, straight,** finely **shaped,** a **beautiful yellow, distinct** and **attractive;** they make delicious eating. A good yielder; good in the home garden, and profitable for the market grower. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.**

VAUGHAN'S SPECIAL

WEBBER WAX

A Bean of the same season and utility as Wardwell's Wax and Davis' Kidney Wax. The pod is long, handsome, bright yellow in color. Seed yellow. Hardier and more prolific than Wardwell's.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.

IMPROVED GOLDEN WAX

A medium **early** and **heavy cropper,** on vines of **vigorous** bushy **growth,** a **good rust-resister.** The **pods** are **golden yellow, fleshy** and **solid, brittle,** waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor, make fine eating. May be sown any time to early fall, with good crop assurance.

VAUGHAN'S SPECIAL

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

WARDWELL'S WAX

DON'T hoe Beans immediately after a rain, wait till the soil dries out. Beans hoed after rain are more liable to rust.

Hoes priced on page 128.

IMPROVED GOLDEN WAX

CURRIE'S GOLDEN WAX

VAUGHAN'S SPECIAL

Early, hardy, nearly rust-proof. Long, golden yellow pods, crisp and tender. The seed is black. A much planted sort.

Pkt., 10c; lb., 30c; 2 lb., 60c; 10 lbs., $2.25

HODSON WAX

VAUGHAN'S SPECIAL

The greatest yielder of garden varieties. Season medium early, vines bear a mass of long straight pods, resembling the Davis Wax.

Pkt. 10c; lb. 35c; 2 lbs. 65c; 10 lbs. $2.50.

GENERAL LIST—WAX VARIETIES

CHALLENGE BLACK WAX. Early; pods tender and stringless; seed black. **Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.**

STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.**

PROLIFIC BLACK WAX. Very early; prolific long pod, **Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.**

VALENTINE WAX. Second early, prolific; pods yellow. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.**

GOLDEN EYE WAX. Early, large flat pods. **Pkt., 10c; lb., 35c; 2 lbs., 65c, 10 lbs., $2.50.**

VIOLET FLAGEOLET WAX. Resists rust; pods large, flat yellow. **Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.**

MICHIGAN WHITE WAX. A white seeded high quality Golden Wax type. **Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.**

MONSTER STRINGLESS WAX. Crop failed.

MAMMOTH YOSEMITE WAX. Crop failed.

Our bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express, to equalize the difference in mailing cost, the packages contain more seed. The prices below, except for pkts., lb. and 2 lbs., do not include postage.

Only half the pleasure of a garden is in its beauty—the other half is in its tending.

BUSH BEANS

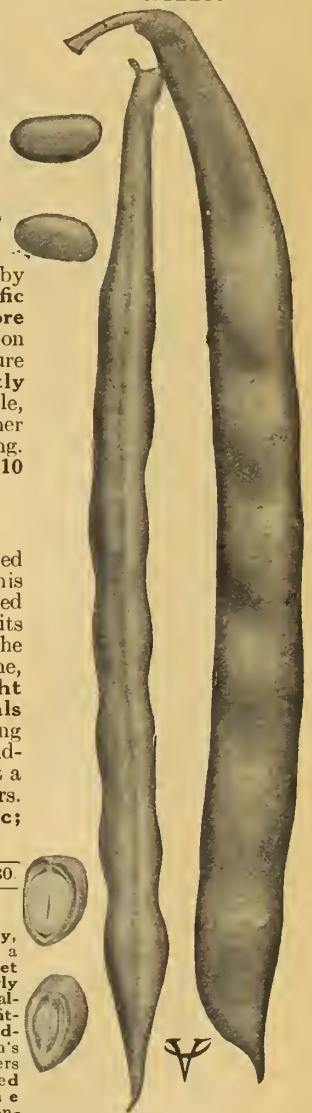
GREEN SORTS

NOTICE—We offer Beans and Peas this year by the pound, instead of pints, etc.
1 lb. is a little more than 1 pint.
2 lbs. is a little more than 1 quart.

PLANT THE BEST

We call particular attention to and recommend the following varieties, all "Vaughan Specials," stock seed of which we have bred on our own farms. For the Home Garden; **in wax varieties**—Wardwell's Kidney Wax, Improved Golden Wax, and Round Pod Kidney Wax; **In Green Pods**—Stringless Green Pod, Improved Red Valentine, Bountiful and Stringless Refugee. For market varieties read the descriptions. Write for prices on 100 lb. lots and upward.

VAUGHAN'S BOUNTIFUL STRINGLESS



STRINGLESS GREEN POD

The great leader in green pods for general purposes; it is **early**, and very **prolific**, the vines bearing **long, round, straight, thick, meaty pods**, free from strings or fiber; rich deep green color, very attractive and of **excellent quality**, which has placed it in great favor and ever gaining popularity. For succession plant **every two weeks**, until September. **Pkt., 10c; lb., 30c 2 lbs., 60c; 10 lbs., $2.25.**

STRINGLESS GREEN POD

GIANT STRINGLESS GREEN POD

An **immense type** of **"Earliest Improved Valentine"** and nearly as **early.** The pods have all the excellent qualities of the original with much greater size, which greatly improves the appearance. A splendid **succession sort to** Stringless Green Pod.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

SUTTON'S MASTERPIECE

The best of the greenhouse forcing beans. Also valuable as an exhibition sort. The pods are flat like Bountiful, but larger and thinner. Early in season and a heavy yielder.
Pkt., 15c; ½ lb., 35c; 1 lb., 65c; 2 lbs., $1.25; 10 lbs., $5.50.

LONGFELLOW—(Round Pod)

Very **handsome**, nearly **stringless, beautiful green pods, 7 to 8** inches **long, straight** and **round, very prolific.** These elegant **pods** are **delicious** when **cooked**, and are **unexcelled** for the **home garden**, they **ripen uniformly.** Plants are 14 to 16 inches high—**for market gardeners** this is a **most profitable sort.**
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

BOUNTIFUL STRINGLESS

FLAT POD

A "Long Yellow Six Weeks," **improved** by **earlier growth, hardiness,** and more **prolific yield.** The **pods** are **better,** larger, **more tender** than the **original,** and in addition are very handsome, an important feature for exhibitions. They have a **distinctly fine quality** which makes them desirable, useful and profitable for either **home** or **market garden** planting.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

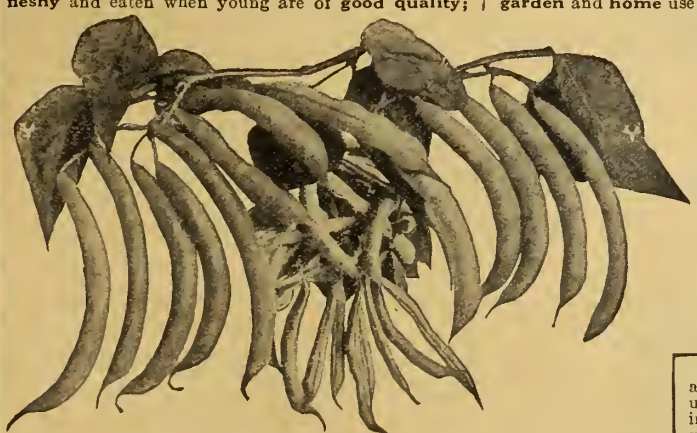
BLACK VALENTINE

It is not as **early** as "Improved Red Valentine," the original strain from which this was **developed** and **improved,** but it is suited to **both early** and **late planting;** its **hardiness** overcomes **light frost.** The pods are a **third** longer than Red Valentine, and grow in **clusters** perfectly **straight** and **round.** This is one of Vaughan's **specials** which has gained **great** popularity, having **many splendid qualities,** including handsome appearance, which makes it a business winner for market growers.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

PYROX a combination of Arsenate of Lead and Bordeaux is an indispensable insecticide and fungicide. See page 130.

IMPROVED EARLY RED VALENTINE

Is very **hardy** and **early, germinates** in **cold ground** where **other sorts** would **not.** Vines are about 15 inches high, **yield well;** pods are **round** and **fleshy** and eaten when young are of **good quality;** seed is red spotted. The demand for a **hardy, early** bean of **good** quality, has **established** a **reputation** for this excellent sort. For **market garden** and **home** use it is an **easy winner** of **early trade.** It has always been **profitable** and **dependable,** Vaughan's Seed Store, offers **Improved Red Valentine** with great confidence; it **always makes good.**
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.



RED VALENTINE—The Earliest Green Pod Bean

REFUGEE OR 1000 TO 1

A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round.
Pkt., 10c; lb., 35c; 2 lb., 65c; 10 lbs., $2.50.

FULL MEASURE

A new main crop variety of bush bean—a Stringless Round, Green Pod Bean. **Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.**

BLACK LEAF 40 is a sure destroyer of Aphis or Green Fly and all sucking insects. Keep a careful watch for lice (aphis) under the leaves of your beans and spray with Black Leaf 40 immediately you find any. Full directions on package. **See page 130.**

OTHER LEADING GREEN POD BEANS and SHELL BEANS

The prices for packets, and one and two pound lots, include free delivery in first three zones. For postage rates on larger lots see inside front cover. Any of the following, except where noted. **Pkt. 10c.**

EXTRA EARLY REFUGEE, similar to the Refugee; two weeks earlier. **Lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.**

ENGLISH BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class. **Lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.**

DWARF HORTICULTURAL. Late heavy yielding. Flat yellow pods spotted with red. **Lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.**

EARLY MOHAWK. Productive, long flat pods. Early, rather stringy. **Lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.**

EARLY ROUND POD. Six weeks. Early sort for market. Good yielder. **Lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.**

EARLY YELLOW SIX WEEKS. Similar to round sort with flat pods. **Lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.**

IMPROVED NAVY. Fine field sort. **Lb., 25c; 2 lbs., 45c; 10 lbs., $1.75.** Write for 100 lb. prices. We meet market.

WHITE KIDNEY. Shell beans. **Lb. 25c; 2 lbs. 50c; 10 lbs. $2.00.**

RED KIDNEY. **Lb., 25c; 2 lbs., 50c; 10 lbs., $1.85.**

TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. **Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., $4.00.**

WHITE MARROW. Good shell bean. **Lb., 25c; 2 lbs., 50c; 10 lbs., $2.**

Larger quantities than 10 lbs. of All Beans supplied at 10-lb. rate. Write for prices on 100 lbs. and up.

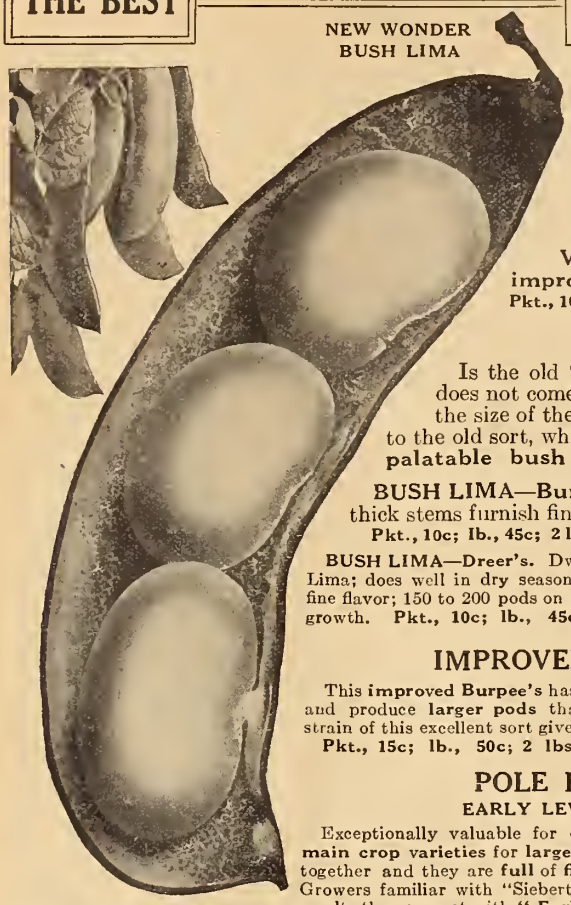
PLANT THE BEST

Beans are priced by the lb. this year.
1 lb. is a little more than 1 pint.
2 lbs. are a little more than 1 quart.

LIMA BEANS can be baked just as readily as the Boston Beans and they are even more delicious.
Plant a row or two of Henderson's Bush. They are smaller than other Limas, free from disease and great yielders.

LIMA AND

NEW WONDER BUSH LIMA



NEW WONDER BUSH LIMA

THE IDEAL BUSH LIMA

The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes **Vaughan's Strain** of this splendid sort has now come to be used in all gardens where Bush Limas are planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds. **Vaughan's New Wonder,** bred from one of the earliest bush limas, is a greatly **improved sort** in compactness, little tendency to make runners, and in earliness.
Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.75.

FORDHOOK BUSH LIMA BEAN

Is the old "Dreer," "Potato" or "Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast to the old sort, which was dry and mealy, this new **Fordhook** is tender, sweet and juicy; a richly **palatable bush lima bean. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs,, $4.00.**

BUSH LIMA—Burpee's. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds thick stems furnish fine support; very productive and splendid quality.
Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.75.

BUSH LIMA—Dreer's. Dwarf variety of Dreer's Improved Lima; does well in dry seasons; pods contain 4 to 5 beans of fine flavor; 150 to 200 pods on a single plant shows its prolific growth. **Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.75**

BUSH LIMA—Henderson's. Crop reliable, very productive, compact form, free from mildew.
Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.
Write for prices on 100 lb. lots or larger on any kind.

IMPROVED BUSH LIMA—BURPEE'S.

This **improved Burpee's** has **larger pods** and **beans** than the **original.** The **vines** are **heavier** and produce **larger pods** than "New Wonder"—and they mature a week earlier. Vaughan's strain of this excellent sort gives the greatest satisfaction to patrons.
Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., $4.00

POLE LIMAS

EARLY LEVIATHAN

Exceptionally valuable for early maturing. It equals the **main crop varieties** for **large pods;** clusters of 5 to 8 grow together and they are **full** of **fine beans** of **excellent flavor.** Growers familiar with "Sieberts Early" or "Jersey," will like results they can get with **" Early Leviathan."**
Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.

SIEBERT'S EARLY LIMA.—Hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans.
Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00

KING OF THE GARDEN. A **climber** that **blooms** and **produces** to **end of season.** Uniform pods, 5 to 8 inches long, filled with beautiful beans of superior quality.
Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.

U. S. Government License No. G31074.

An ounce of beet seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

We maintain a thoroughly up-to-date seed trial laboratory equipped with the latest scientific seed testing devices under the care of trained graduates from the U. S. Dept. of Agriculture at Washington, D. C. Thus the vitality of all our seeds is correctly determined and actual percentage of growth ascertained. Sow Vaughan's Tested Seeds.

VAUGHAN'S

CROSBY'S EGYPTIAN
The Most Popular Early Beet

CROSBY'S EGYPTIAN

This is a beet famous both for shape, color and quality. Vaughan's strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities has secured for this variety a wide and growing popularity; based solely on merit.
Vaughan's Crosby beet is **very early;** has **deep red** color; is **smooth** and **tender,** has **sweet flesh** that is richly **palatable.**
To retain earliness it should be grown with greatest care—it is worth the attention it demands; market gardeners have proved that Vaughan's Crosby's Egyptian beet, is splendid for bunching, attractive in size and excellent in general appearance, a money-making combination for thrifty progressive growers.

VAUGHAN'S SELECTED STOCK.
Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 55c; lb., $1.85. By express, 5 lbs., $8.00.

STANDARD STOCK.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00. By express, 5 lbs., $4.50.

VAUGHAN'S FIRE BALL

"A READY SELLER AT GOOD PROFIT"

Always a splendid sort whether your gardening is done for profit or for pleasure It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine **globe shape, deep red** color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops **permit closer planting** than sorts with larger tops. Vaughan's "Fire Ball" is very handsome and highly satisfactory for home use.
Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 55c; lb., $1.85; 5 lbs., $8.00.

LONG SMOOTH DARK BLOOD. Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00. By express, 5 lbs., $4.50.

EDMAND'S BLOOD TURNIP. One of the best, round, well formed, has only one tap root, flesh is deep blood red, very sweet and tender. They do not grow large and coarse, and having small tops, they can be planted close.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00. By express, 5 lbs., $4.50.

HALF LONG BLOOD. A splendid winter sort, half the length of ' Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody.
Pkt., 5c., oz., 10c; ¼ lb., 30c; lb., $1.00. By express, 5 lbs., $4.50.

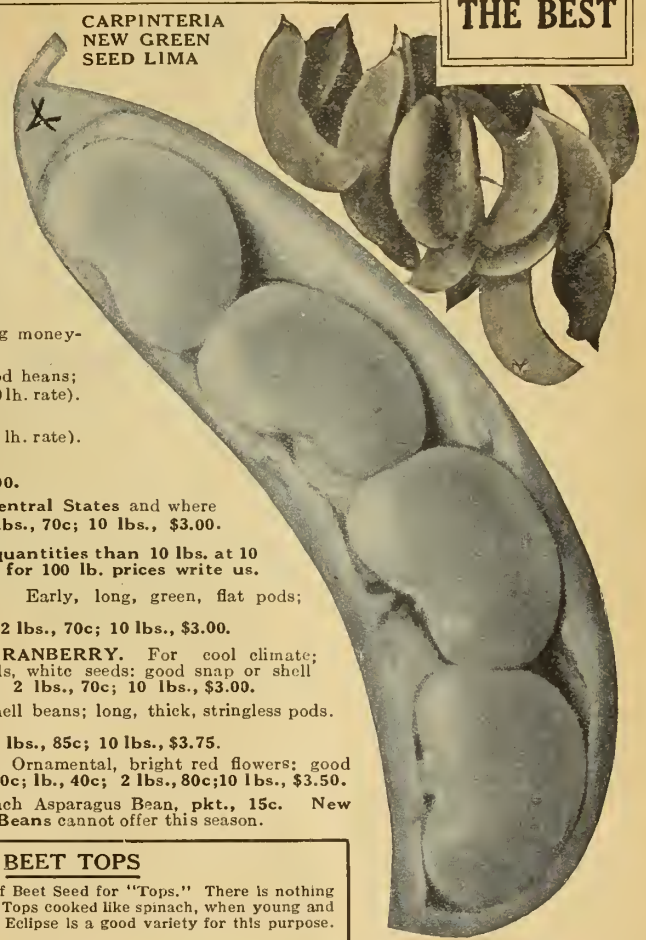
Please tell us if we may substitute in case variety ordered by you is sold out.

N. B. Read Inside Front Cover Showing What We Prepay.

POLE BEANS

Pole Beans are well worth the extra labor required in furnishing supports. They have quality, are large in size, bear longest, and are heavy producers.

PLANT THE BEST



CARPINTERIA POLE LIMA

HIGHEST STANDARD IN POLE LIMA QUALITY

DON'T MISS THIS ONE

Many expert growers declare **Vaughan's "Carpinteria"** is the most **"perfect Pole Lima Bean."** The exceptionally fine quality of this strain is shown in the beautiful **green tint,** of the large, **handsome** shaped beans, which fill the **rich colored, attractive pods.** The velvety green tint of the beans remains, long after they have become **dry,** which proves the **enduring high quality** inherent with this **exceptional** pole lima bean. Vaughan's "Carpinteria" is as **prolific** as **any white lima;** the vines are **strong** and **vigorous,** having many stalwart runners bearing **great quantities of elegant pods,** each containing usually four big, full, fat, juicy beans of delicious flavor. For market-gardeners, **Vaughan's "Carpinteria" Pole Lima Bean** offers a big money-making opportunity. **Pkt., 15c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.**

FORD'S MAMMOTH. Pods grow in large clusters, and contain from 5 to 7 good beans; edible, green or dry. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3** (larger quantities at 10 lh. rate).

CHALLENGER or DREER'S IMPROVED. Thick pods, good size and flavor. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00** (larger quantities at 10 lh. rate).

LARGE LIMA. Very attractive. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00**

EXTRA EARLY JERSEY LIMA. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.

IDEAL POLE LIMA. Excepting only "Carpinteria," this is **best** for **market** in **Central States** and where **main crop** can mature. Pods are large, some 8 inches long. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.**

Need Support

POLE BEANS

Need Support

Larger quantities than 10 lbs. at 10 lb. rate, for 100 lb. prices write us.

KENTUCKY WONDER WAX. The best **pole wax bean** for **northern planting;** it is similar in habit of growth to "Kentucky Wonder Green Pod;" and **bears** as **early,** or when about as **high** as the **average bush bean.** Pods are **beautiful golden yellow,** and so fleshy that often the **thickness** surpasses the **width;** make delicious eating. **Pkt. 15c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.**

EARLY GOLDEN CLUSTER WAX. Long, stringless: fine quality: pods in clusters: pure white seeds. **Pkt., 15c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.**

BURGER'S STRINGLESS GREEN POD. Small, white bean: good for baking; long bearing vines. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.**

WHITE CREASEBACK. Early; long, round, green, stringless tender pods: white beans. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.**

KENTUCKY WONDER OR OLD HOMESTEAD. Green pod. The old reliable Green Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddle backed, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season. **Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.**

DUTCH CASEKNIFE. Early, long, green, flat pods; white seeds. **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.**

HORTICULTURAL CRANBERRY. For cool climate; early; flat green pods, white seeds: good snap or shell **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.**

LAZY WIFE. Good shell beans; long, thick, stringless pods. Crop very short. **Pkt. 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.75.**

SCARLET RUNNER. Ornamental, bright red flowers: good snap bean. **Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.50.**

YARD LONG or French Asparagus Bean, **pkt., 15c. New and Rare Foreign Beans** cannot offer this season.

BEET TOPS

Be sure to sow a row of Beet Seed for "Tops." There is nothing more delicious than Beet Tops cooked like spinach, when young and served in the same way. Eclipse is a good variety for this purpose. Sow thickly.

BEETS

Our customers will find our special strains of Beet like Crosby's Egyptian (Selected Stock), Fireball, Crimson Globe and Detroit without a superior. Choicest Beet Seeds are offered here at hargain prices. Dou't fail to sow a row of Swiss Chard or Spinach Beet. See page 47.

For the home garden you should plant for early use **Crosby's Egyptian** or **Fireball,** and for late and main crop **Detroit Dark Red.**

CRIMSON GLOBE—SECOND EARLY MAIN CROP

This is a splendid sort; is extensively planted for second early and main crop purposes; is medium size, about 10 inches around, globe shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood red, sweet, tender and never stringy. Sow Vaughan's Beet Seed. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

DETROIT DARK RED TURNIP—MAIN CROP

Unequalled as a big cropper everywhere. Vaughan's strain of this perfect turnip-shaped beet, produces best quality, biggest crops and most profit for growers. Perfect turnip-shape, small tap root, small upright tops—fine for market bunching. Skin, dark blood red, **flesh, bright red,** sweet, tender and delicious. A friend in any garden for home or market.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.85; by express, not prepaid, 5 lbs., $8.00.

STANDARD STOCK. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., $1.00; by express, 5 lbs., $4.50.

ARLINGTON. Early deep round form, medium size, dark blood red; does not become stringy: sweet and tender at all times. **Pkt., 5c; oz. 10c; ¼ lb., 30c; lb., $1.00.**

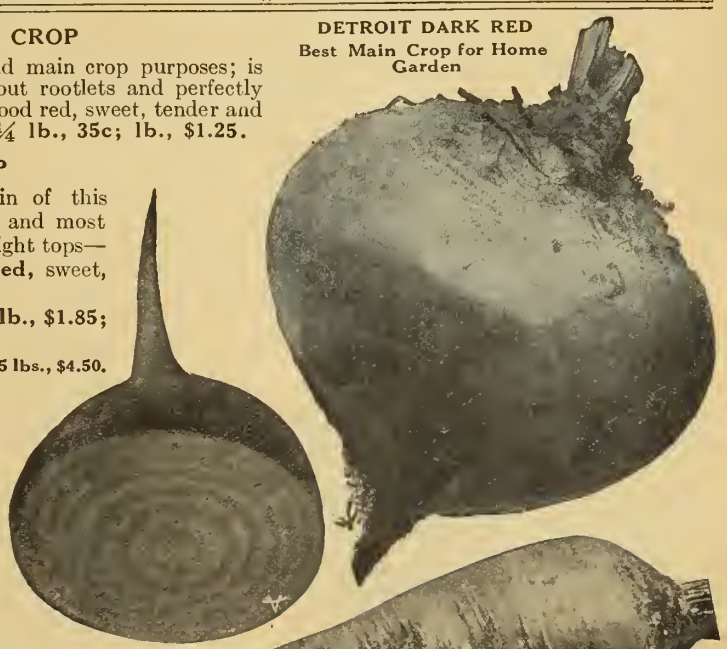
BASSANO. One of the earliest, flesh tender, white and rose in color, flat. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.50.**

DEWING'S EARLY BLOOD TURNIP. Good color, smooth. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.50.**

ECLIPSE. Roots globular, small tap root. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; (exp.), 5 lbs., $4.50.**

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark rich crimson. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.50.**

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat heneath, small tops. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.50.**



OUR FREE DELIVERY. See inside front cover page explaining **FREE DELIVERY** to three first postal zones. **FOR 5 CENTS PER POUND MORE WE PREPAY TO ALL ZONES.**

See Pages 50, 51 for Mangels, Stock Beets, (StockRoots)

PLANT THE BEST

Since the foundation of our firm 43 years ago, the house of Vaughan has been famous for cabbage seed. We know by trial comparisons that there is none better.

VAUGHAN'S

EARLY JERSEY WAKEFIELD

VAUGHAN'S SELECTED STOCK

CHARLESTON WAKEFIELD

This sort matures a few days later than "Early Wakefield", with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil. **Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 65c; ¼ lb., $1.15; lb., $4.00.**

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter or summer, one of the best for general use. Best imported seed only. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., $3.00.**

EXTRA EARLY EXPRESS—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield; matures a short time later. **Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., $3.00.**

EARLIEST ETAMPES—Not quite so hard but fully as large as Express, which it resembles. Excellent quality. Sold as "Earliest of All," "Wonderful," etc. Buy Vaughan's seed to get best results. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., $3.00.**

EARLY YORK—Heart-shape, small head, firm and tender, may be planted 15 to 18 inches apart. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., $3.00.**

EARLY OBLONG SORTS

Vaughan's Select Early Jersey Wakefield

This **extra early, conical-shaped head** cabbage is the **best early,** for planting in the United States. Earliness and hard heading in this variety are most important to growers.

Early Jersey Wakefield Cabbage is a specialty with us, and to secure the best seed on our growing farms, we spare no expense We confidently offer the best Early Jersey Wakefield Seed that money can buy anywhere. Successful growers everywhere in the United States plant Vaughan's Seed and get results that spell prosperity.

More seed of this sort is planted in the United States than of all other varieties of the same type together. The heads are hard. the outside leaves small, so that **close planting** is possible.

Buy Vaughan's Cabbage Seed—**plant the best.**
Pkt., 10c; ½ oz., 20c; oz., 35c; 2 ozs., 65c; ¼ lb., $1.15; lb., $4.00.

EARLY ALL HEAD

SEE BELOW

FLAT AND ROUND SORTS

ALL HEAD EARLY OR FAULTLESS. Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. It has few outer leaves, permitting close planting; for general purposes it is excellent; amongst **kraut** growers it is the most popular, because the largest possible tonnage per acre can be produced. Vaughan's seed of this sort is Long Island grown—produced by the expert who originated this variety.
Pkt. 10c, ½ oz. 20c, oz. 30c; 2 ozs. 55cc; ¼ lb. $1.00; lb. $3.50.

EARLY FLAT DUTCH. Sure solid header; weighs 10-12 pounds each head, even size, matures about same time as "Early Summer," a standard Early; it stands long without bursting; as second early it is one of the best.
Pkt., 10c, ½ oz. 15c, oz. 25c, 2 ozs. 45c; ¼ lb. 85c, lb. $.300.

NEW EARLY FLATHEAD—(New Early Spring). Has the thick heavy leaves of "Jersey Wakefield," of which it is a product, crossed with "Succession;" it is of dwarf habit, with leaves slightly rounded; season about the same as "Wakefield." **Pkt. 10c, ½ oz. 20c, oz. 30c, 2 oz.s, 50c, ¼ lb. 90c, lb. $3.25.**

EARLY SPRING. Is the same type and almost as early as " Jersey Wakefield," its shape is round slightly flattened on top; it is smaller than "Early All Head," heads become very solid even before the full size of the cabbage is attained. **Pkt. 10c, ½ oz. 20c, oz. 30c, ¼ lb. 90c; lb. $3.25.**

EARLY SUMMER (NEW YORK.) The heads are round and flattened A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue.
Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 85c; lb. $3.00.

Slug Shot prevents cabbage worms. Use it freely. See Insecticides, page 130.

COPENHAGEN MARKET

The earliest large round or flat-head sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield. Considering its early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are dish-shaped and fold tightly together; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. Earliness, compact growth, large heads and high quality have made this new Cabbage the most popular early variety. **Pkt. 10c; ½ oz. 25c; oz. 40c; 2 ozs. 70c; ¼ lb. $1.25; lb. $4.50.**

SUCCESSION

SUCCESSION

A favorite with market gardeners. Heads are large, slightly flatter than "Early Summer," are two weeks later, but run more uniform; heads are solid, keep well, and have splendid quality. Color, is a beautiful light green; a grand second early.
Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 85c, lb. $3.00.

LATE FLAT DUTCH. Smaller than "Premium Flat Dutch," sometimes a little better keeper.
Pkt. 5c, ½ oz., 15c, oz. 25c, ¼ lb. 75c, lb. $2.50

FOTTLER'S IMPROVED BRUNSWICK Comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as Second Early and for winter use; it is much planted by gardeners. The heads are flat and solid with few outer leaves—light green.
Pkt. 5c, ½ oz. 15c, oz .25c, ¼ lb. 75c, lb. $2.50.

CHINESE CELERY CABBAGE

OR PE-TSAI *See Back Cover and Novelties*

This **new Celery Cabbage** has become very popular on the market; it is a delicate and dainty table vegetable either shredded as slaw, cooked as other cabbage or trimmed to be eaten as celery. It should be grown like **late cabbage** planting in July, "turnip planting time," earlier planting runs quickly to seed. Sow in drills 16 to 20 inches apart, then thin the seedlings two or three times.
Pkt. 10c; ½ oz. 30c; oz. 50c; 2 ozs. 95c; ¼ lb. $1.60. lb. $5.50.

OUR FREE DELIVERY { **See Inside Front Cover Page Explaining FREE DELIVERY to Three First Postal Zones. For 5 cents per pound more WE PREPAY TO ALL ZONES.**

CABBAGES

Some growers use Tobacco Dust for cabbage worms and prefer it to Slug Shot. Both are good. See page 130.

PLANT THE BEST

FLAT AND ROUND SORTS

VAUGHAN'S ALL SEASONS

This special, Vaughan's Cabbage, although really **an early**, is suited to every growing season; under most trying and adverse conditions it is **nearly always a sure header.**

Even when planted very late it keeps well, and is of **much better quality** than the **big ribbed winter sorts.** The heads are large and solid, **leaves small ribbed;** matures about same time as "Early Summer" with larger head. In our trial grounds, the habit and growth of this sort have been noted as described, when grown side by side with other sorts, through many successive seasons.

Quality for eating is splendid, and is not excelled by any cabbage.

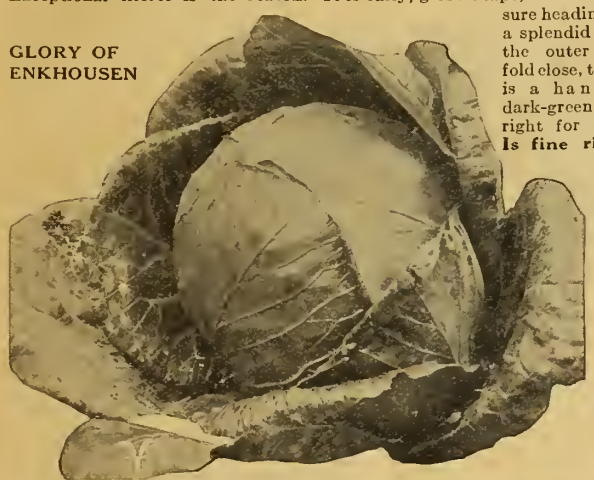
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., $3.00.

GLORY OF ENKHOUSEN

A PROFITABLE EARLY VARIETY

Has achieved great popularity in a few seasons, as the most important cabbage introduction in years.

For market growers, or private gardens it is very valuable, and growers who cater to high-class trade, find it a ready seller at a good profit. Exceptional **merit** is the reason. It is early, globe shape, medium size, sure heading and a splendid keeper; the outer leaves fold close, the color is a handsome dark-green, just right for market. **Is fine ribbed,** excellent for eating.



Its popularity has been proven in many market growing centers, and has become standard and a money maker for enterprising progressive gardeners. Plant Vaughan's seeds and prosper.

Pkt., 15c; ½ oz., 20c; oz., 35; ¼ lb., $1.15; lb. $4.00.

USE SLUG SHOT as a preventive, ARSENATE as a cure for cabbage worms. **See page 130**

DANISH SUMMER BALLHEAD

A Second Early of superb quality; it resembles "Winter Ballhead," but is smaller and slightly flat on top; the outer leaves are inclined to be curly, the ribs are very fine in the leaves, which are light green in color, and have a delicate flavor suggestive of Savoy cabbage; the heads are hard, long keepers. This cabbage is gaining a place amongst the early sorts.

Pkt., 15c; oz., 40c; 2 ozs., 70c; ¼ lb., $.1.25; lb., $4.50.

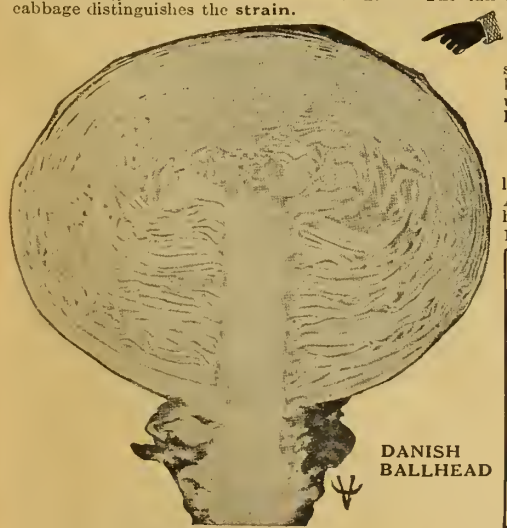
MAIN CROP VARIETIES

VAUGHAN'S SELECTED STOCK — DANISH BALLHEAD, TALL — VAUGHAN'S SELECTED STOCK

From Amagar Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. The seed is grown for us there and we sell it with confidence to our customers, not only because we **know** it is **genuine** but also because we **know it is the standard of highest quality and purity.** Many trials have demonstrated this to be **the best.** This is the **tall-stemmed strain,** different than the short-stemmed "Hollander" or the "Dwarf Amagar," the Danish grown strains of the "Hollander." The tall-stem of our Ballhead cabbage distinguishes the **strain.**

Because of perfectly solid-head, unequaled keeping and shipping qualities, correct market size, not too large, hard and **heavy** heads, weighing a fourth more than other sorts of equal size, fine grained leaves which are deliciously tender, this strain has displaced nearly all other winter varieties of cabbage. It is the most popular of all the late varieties, and its popularity rests entirely upon superior merit. Vaughan's seeds make growers prosperous.

Pkt., 15c; ½ oz., 20c; oz., 35; 2 ozs., 65c; ¼ lb., $1.15; lb., $4.00.



VAUGHAN'S PREMIUM FLAT DUTCH

Of the **Flat-head** varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hot-beds. Our seed produces immense, solid heads, uniform, true, and of finest quality.

Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 80c; lb., $2.75.

I showed some vegetables at our County Fair last September and won first premium on your All Seasons Cabbage. Three heads weighed 35 lbs., and the largest I had of this variety weighed 15 lbs. W. B. KELLOGG, Aledo, Ill.

Use Commercial Manures. Livery stables have been converted into garages and animal manures are scarce. Live stock has decreased over twelve million head in the past seventeen years. When you can't get all the manure you need, use Commercial Fertilizers. They furnish the same elements of food, but in more concentrated form; see page 125 for prices.

Rapid Growth is of immense importance in Vegetable gardening. With the aid of fertilizers the gardener may be able to harvest several crops from the same ground in a year. Try **Nitrate of Soda,** 1 oz. to 2 gallons of water, applied to your cabbage when a foot high; the result will surprise you.

Brighten the garden with flowers. Our wonderful Gladiolus and Cannas make splendid and continuous displays.

PLANT THE BEST

In the famous cabbage growing districts of Wisconsin, New York and Michigan, **DUTCH WINTER** or Hollander is used almost entirely. IT IS AN EXCELLENT SHIPPER.

VAUGHAN'S

DWARF AMAGAR

DUTCH WINTER or HOLLANDER

As a "late spring" seller, no other sort stands near this excellent cabbage, of fine quality. The heads are medium size, averaging about **8 pounds, very solid,** have a **distinct, white color;** coming out as fine and as perfectly solid in the spring, as when put away in the fall; its exceptional keeping quality is a notable **characteristic.**

Pkt., 15c; ½ oz., 20c; 1 oz., 35c; 2 ozs. 65c; ¼ lb., $1.15; lb. $4.00.

DWARF AMAGAR or SHORT-STEMMED DANISH BALLHEAD

This variety is almost identical with "Dutch Winter or Hollander." We import our seed direct from Amagar Island, Denmark; and we supply one-year-old, proven stock, if wanted. **Pkt. 15c; ½ oz. 20c; oz. 35c; 2 oz. 65c; ¼ lb. $1.15; lb. $4.00.**

OTHER CABBAGES

LARGE LATE AMERICAN DRUMHEAD. A selected strain in this Standard Winter Cabbage. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. $2.50.**

AUTUMN KING. Similar to Flat Dutch with ruffled leaves. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. $2.50.**

IMPROVED STONEMASON. A large solid, late Drumhead—popular in some sections. **Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. $2.75.**

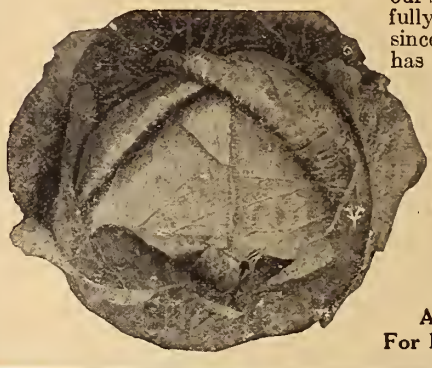
LOUISVILLE DRUMHEAD. Very compact, short-stemmed, semi-flat, good quality. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. $2.50.**

MARBLEHEAD MAMMOTH DRUMHEAD. Late. About the largest cabbage grown. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. $2.50.**

THE LUPTON. A large head, but **not spready,** on a comparatively small plant, is the habit of this variety. It is characteristically strong of growth, and one of the best keepers; when taken out in the spring it is bright and fresh. Our seed is grown for us by the originator and will produce cabbages of the very best tope. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. $2.50.**

BRIDGEPORT DRUMHEAD

The best Large Fall Shipping Cabbage in Existence. We introduced this variety over thirty years ago and our strain has been carefully selected every year since. The original type has been kept up and improved to a high degree of perfection. For slicing, for kraut or for general purposes, it has no superior.



Pkt. 10c; oz. 25c; ¼ lb. 85c; lb. $3.00.

A Money-Maker For Market Gardeners.

Use Slug Shot for cabbage worms
See page 130

We offer only strains of Carrot Seed from such careful Growers whose stocks can be trusted for purity of type, color and form.

VAUGHAN'S

VAUGHAN'S SELECT DANVERS

This is a very popular and universally planted carrot. For a quarter of a century, our strain of this highly prized variety has seldom been equal in quantity to the public demand for seed. And in the years when seed has been plentiful, it has been planted almost exclusively.

While some varieties of carrots attract attention because of extreme sweetness, color or other feature, Vaughan's Select Danvers has all desirable qualities to a very marked degree of perfection.

In addition to its splendid edible qualities and fine appearance, its yield is greater per acre than that of any other sort; in size, shape, color, sweetness and flavor, it is ideal.

Danvers Select Stock—Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. $2.50.

HALF LONG DANVERS—Standard Stock—roots more pointed and slightly smaller than Vaughan's Select Danvers.

Pkt. 5c; oz. 10c; ¾ lb. 30c; lb. $1.00; 5 lbs. $4.50.

VAUGHAN'S CHICAGO FORCING. A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a forcing sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart.

Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. $2.50.

OXHEART

Guerande or Oxheart

Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has very fine flavor and general good quality and tenderness which make it desirable.

Home and market growers find it the best second early, a little earlier and shorter than the Chantenay, good color.

Pkt. 5c; oz.10c; ¼ lb. 30c; lb. $1.00.

VAUGHAN'S SELECT DANVERS

N. B.—Read inside front cover showing what we prepay.
CARDOON. For salads and for soups. See page 22.

CABBAGES

LATE OR MAIN CROP SORTS

To those who never grow it "Savoy quality" is a revelation. Savoy Cabbage boiled, stuffed with sausage meat, is a dish to anticipate.

PLANT THE BEST

VAUGHAN'S SURE HEAD

This is a large round **flathead** variety, uniform size and weighing 10 to 15 pounds each head. They are very solid and have fine quality.

Our strain is most popular with market-gardeners and large growers —it is a **sure header,** in most unfavorable seasons.

Pkt. 10c; ½ oz. 15c; oz. 25c; 2 ozs. 45c; ¼ lb. 80c; lb. $2.75.

HACO, EARLIEST ROUND RED, (New)

This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator.

After extensive field tests in our own trial grounds we have found it superior to all other varieties of red cabbage. It excels all others in earliness, productiveness and quality. The color is intense dark red throughout, the heads extremely solid, nearly round, exceedingly tender and of the finest quality, and, after being trimmed for market, average 3 lbs. each. **If you use Red Cabbage try this one.**

Pkt. 15c; ½ oz. 60c; oz. $1.10; 2 ozs. $2.00; ¼ lb. $3.25; lb. $12.00.

RED CABBAGES

DANISH RED STONE HEAD. Hard, round, ball shaped heads, very compact and keep well. The color is so intense that a cross section shows almost no white. In sections where Danish White Cabbages, like "Ballhead" do well, this will be found very valuable. **Pkt. 15c; ½ oz. 35c; oz. 60; 2 oz. $1.00; ¼ lb. $1.75; lb. $6.00.**

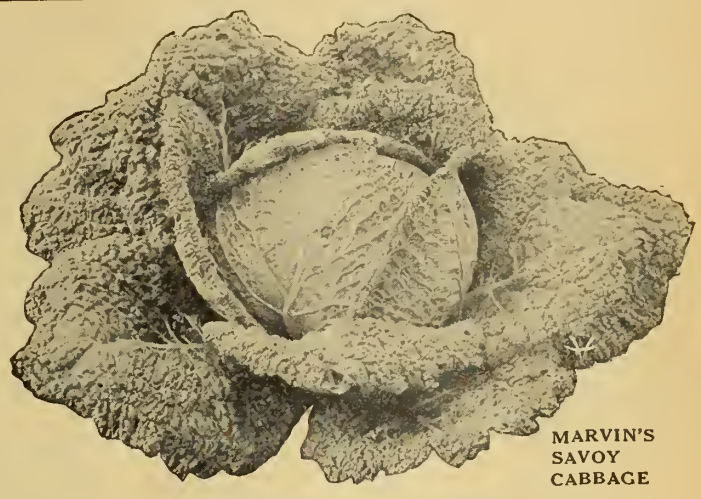
MAMMOTH ROCK RED—A sure header of good red color to the center. **Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. $1.60; lb. $5.50.**

ZENITH—A very fine medium early sort. Not large, good quality and fine color. **Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. $1.85; lb. $7.00.**

VAUGHAN'S BLACK DIAMOND—A new second season black-red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves. **Pkt. 10c; ½ oz. 35c; oz. 65c; 2 oz. $1.10; ¼ lb. $1.85; lb. $7.00.**

EARLY DARK RED ERFURT. **Pkt., 10c; ½ oz., 30c; oz., 50c; 2 oz., 95c; ¼ lb., $1.60; lb., $5.50.**

DARK RED DUTCH RED DRUMHEAD (Pkt., 10c; ½ oz., 30c; oz., 50c; 2 oz. 85c. ¼ lb., $1.50; lb., $5.00.



MARVIN'S SAVOY CABBAGE

SAVOY CABBAGES

IRON HEAD SAVOY—Best of the early sorts. Round head, large and solid. Quality excellent. **Pkt. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.50.**

MARVIN'S SAVOY—A large solid head, very early. An almost sure header, most popular of this class. **Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. $1.00; lb. $3.50.**

EARLY ULM SAVOY—Very early sort. **Pkt. 10c oz. 25c; ¼ lb. 85c; lb. $3.00.**

ALL HEAD SAVOY—Conical head, fine quality. Early and solid. **Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. $1.00; lb. $3.50.**

IMPROVED AMERICAN—Standard main crop sort. **Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. $1.00; lb. $3.50.**

Allow me to mention that the Strawberry Plants you sent me in April were the finest I ever received. WM. K. SMITH, Arlington, N. J.

CARROTS

For home use and early bunching—Chantenay, Nantes and Ox Heart are best. For general crop plant Vaughan's Select Danvers; for forcing—use Vaughan's Chicago Forcing or Early Scarlet Forcing. 1 oz. sows 100 ft. row.

Carrots have medicinal qualities as well as food value. Nothing better for the youngsters. **Plant more of them.**

EARLY CHANTENAY

EARLY CHANTENAY

A Splendid Bunching Sort

A main crop variety, of reputation with market gardeners; very smooth, stump root, deep red color, fine grained, sugary, sweet; not liable to crack when growing, a fine table sort, and good cropper. Buy Vaughan's seed, it is carefully selected.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. $1.00; 5 lbs. $4.50.

VERY EARLY SCARLET FORCING—(French Horn). Best variety for earliest forcing. Reddish orange colored roots, nearly round. When matured they are about two inches in diameter.
Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. $1.25; 5 lbs. $5.50.

EARLY SHORT SCARELT—) Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fin grained, sweet flavored, color deep rich orange., and fine for bunching.
Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. $1.00; 5 lbs., $4.50.

NANTES HALF LONG SCARLET—For extra **sweetness,** this is all by itself It is of good shape and size. The leaves are fine and the roots almost cylindrical very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core.
Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. $1.10; 5 lbs. $5.00.

IMPROVED LONG ORANGE

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. $1.00; 5 lbs. $4.50.

CARROTS FOR STOCK—The Mastodon, Long White Belgian and Orange Belgian, etc., see pages 50 and 51.

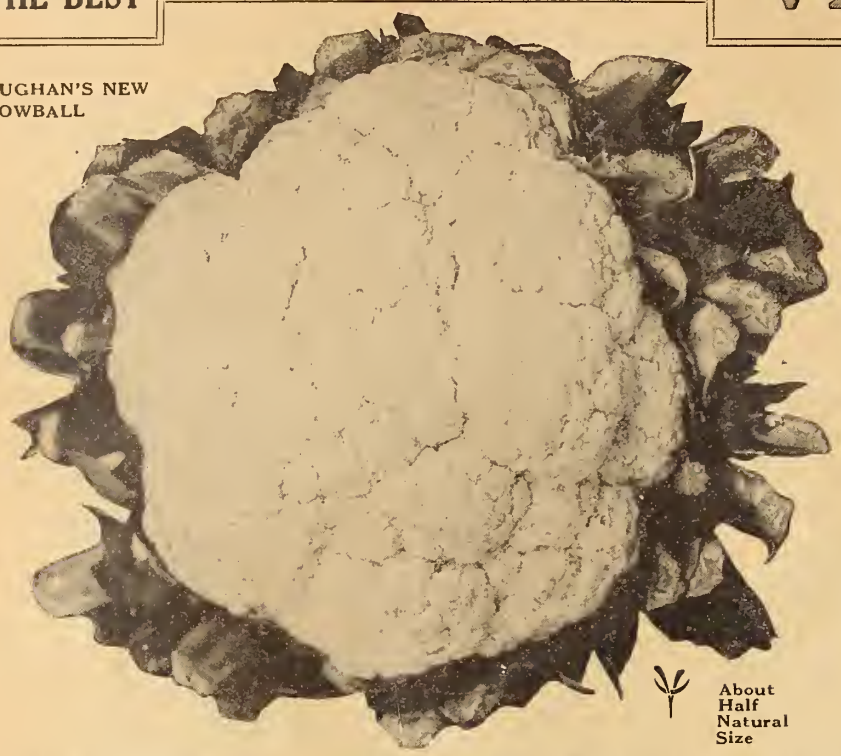
1 lb. Carrot Seed, Vaughan's Long Orange, **$1.00,** will sow one half-acre, sufficient to produce, on good soil, 12 tons of carrots equal in feeding value for horses or cattle, to 150 bushels of oats.

VERY EARLY SCARLET FORCING

"I have dealt with you for over 10 years and have yet the first time to be disappointed in anything I have ordered from you." CHAS. J. MILLER, Mason, Mich.

VAUGHAN'S

VAUGHAN'S NEW SNOWBALL



About Half Natural Size

VAUGHAN'S NEW SNOWBALL

For **early out-door** planting and **forcing** Vaughan's "New Snowball" Cauliflower is a strain of exceptional merit and value. In size, compactness and color it is ideal for market; a well grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. Its habit is dwarf in growth, with great compactness and very early heading—earlier than any other sort; being dwarf and compact means economy of space when forced in the hot-bed. For wintering over to early spring, for forcing during winter and early spring, and for early spring out-door planting, Vaughan's New Snowball Cauliflower is a peerless success. This strain is also extensively planted for late summer and fall market. We therefore commend this cauliflower, with the assurance that it will give satisfaction to those who have not yet tried it as it has to the many who have, amongst whom are hundreds of the most critical market gardeners, who pronounce it the greatest cauliflower success for general use:—plant the best.

Pkt., 25c; ¼ oz., 75c; ½ oz., $1.50; oz., $2.75; ¼ lb., $10.50.

VAUGHAN'S EARLIEST DWARF ERFURT. Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt **was the standard of early Cauliflowers.** In all respects it is similar to Vaughan's New Snowball, but a **few days later.** Many planters who grow **Cauliflower extensively,** plant this and **Vaughan's Snowball,** two varieties that mature in succession.

Pkt., 25c; ¼ oz., 70c; ½ oz., $1.25; oz., $2.25; 2 oz., $4.25; ¼ lb., $8.00; lb., $30.00.

In order to succeed with Cauliflower growth must be kept up and no set back allowed. Light applications of Nitrate of Soda every ten days or so, beginning a week after the plants are set out, in liquid form, one ounce to one gallon water, will work wonders. Try it. See Nitrate of Soda on page 125.

DANISH SNOWBALL. Later than Vaughan's "New Snowball"—A splendid **second early;** we take great care, and spare no effort to produce seed of this grand Cauliflower, that will give best results. Many of our customers (market growers) plant this sort year after year, and although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. The best bargain at this price in Cauliflower seed.
Pkt., 25c; ¼ oz., 60c; ½ oz., $1.00; oz., $1.75; 2 oz., $3.35; ¼ lb., $6.50; lb., $24.00.

Vaughan's Celery Manual. By a practical grower of 20 years' experience, revised and published by J. C. Vaughan. Price, postpaid, 25c. Mailed free, with any general vegetable seed order in packets or ounces amounting to $2.00, if asked for.

VAUGHAN'S

GOLDEN SELF-BLANCHING

VAUGHAN'S SELECTED STOCK

The choicest sort of delicious celery; it **excels all other yellow varieties.** Dwarfer, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tender crispness, delicious flavor and absence of strings, make it a most delightful table necessity. It is by far the most planted, most desired and used of all high class celery. When you purchase **Vaughan's Seed of Golden Self-Blanching Celery,** you secure the **very best seed** of the **very best sort** of celery that **skilful growing** and **exceedingly careful selection, cleaning etc., can produce.** Our **selected stock** is grown **for us** in **France,** by the **introducers.** Large growers plant this; we have been supplying it to them for years—they get satisfying results.

We also have critical, experienced growers, producing **seed for us in this country** from our **selected stock;** this we sell at a lower price and it gives complete satisfaction.

Selected Stock (French grown). **Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50; lb., $8.00.**

American grown Seed. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., $1.35; lb., $5.00.

GIANT GOLDEN HEART

This for **winter storage** is the **best** celery. Enjoys extensive popularity and always has done so since we **introduced** it years ago. It has unquestioned **merit** in quality, in flavor, sweetness, attractiveness, and size as well as for **keeping.** It is a selection of the "Dwarf Golden Heart," but is larger.
Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb. 60c; lb., $2.00.

WINTER QUEEN

An excellent **winter** sort with double the amount of **heart** of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor; ribs perfectly solid and blanch to a **beautiful creamy white.** A most **valuable variety for winter and spring,** excels **"Perfection Heartwell"** as a late winter keeper, and is much thicker, stouter and heavier. Try it and it will be a favorite with you. A money-maker for the market grower.
Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., $2.50.

Please tell us if we may substitute in case any variety ordered by you is sold out.

GOLDEN SELF-BLANCHING

CHICAGO GIANT SELF-BLANCHING

A first early celery introduced by Vaughan's Seed Store. A sort that can be put on the market ahead of any other variety. It is an **Extra Early White variety;** can be sown in February and marketed July 1st, a time of year when fine celery is a table luxury. The **whitest early** celery, and very sweet, crisp, tender, brittle, with a delicious flavor, giving zest to every bite. It is extremely vigorous in growth, to the extent that its tendency is to throw out a small percentage of off plants. We spare no expense to keep it uniform.
Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 55c; ¼ lb., 90c; lb., $3.50.

VEGETABLE NOMENCLATURE

Multiplicity of names in the list of Vegetable Seeds carried by the different Seedsmen causes a great deal of confusion to the amateur and market gardener planters. Vaughan's Seed Store has been and is conducting trials on its own farms and is in consultation with growers and other seedsmen with the object of getting rid of all duplicates.

Rapid Growth is Desirable. Vegetables that are hastened in their growth by the use of fertilizers are usually crisp, succulent and palatable. Slow growth tends to cause a bitter flavor in lettuce, a sharp flavor in onion and a pungent taste in the radish. Rapid growing vegetables usually bring the highest market prices.

We have used your seeds for twenty years and always found them first-class and sure to grow. MRS. J. A. KELLY, Itlanta, Ill.

CAULIFLOWER

We pride ourselves on the germination of our Cauliflower seed. We reclean and resift, selling high-growing, plump seed.

PLANT THE BEST

DRY WEATHER CAULIFLOWER

This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. Where the more delicately bred varieties would succumb to unfavorable, warm weather conditions, this sort is very desirable; and no large acreage should be planted without giving a place to this. It is a very sure-header, heads larger than Snowball, and is snow-white and second early. **Our seed is grown by the originator in Denmark. Plant the best. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.50; oz., $2.75; ¼ lb., $10.50.**

EARLIEST OF ALL

This is a Danish forcing strain of "Danish Snowball" a little smaller and a week to ten days earlier. It has very short leaves, and has been bred for first forcing under glass and in frames especially; very sure header. Our strain is pedigreed Danish seed.
Pkt., 30c; ¼ oz., 80c; ½ oz., $1.60.

LARGE LATE ALGIERS. A vigorous late maturing variety for late fall use. Large heads.
Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort.
Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

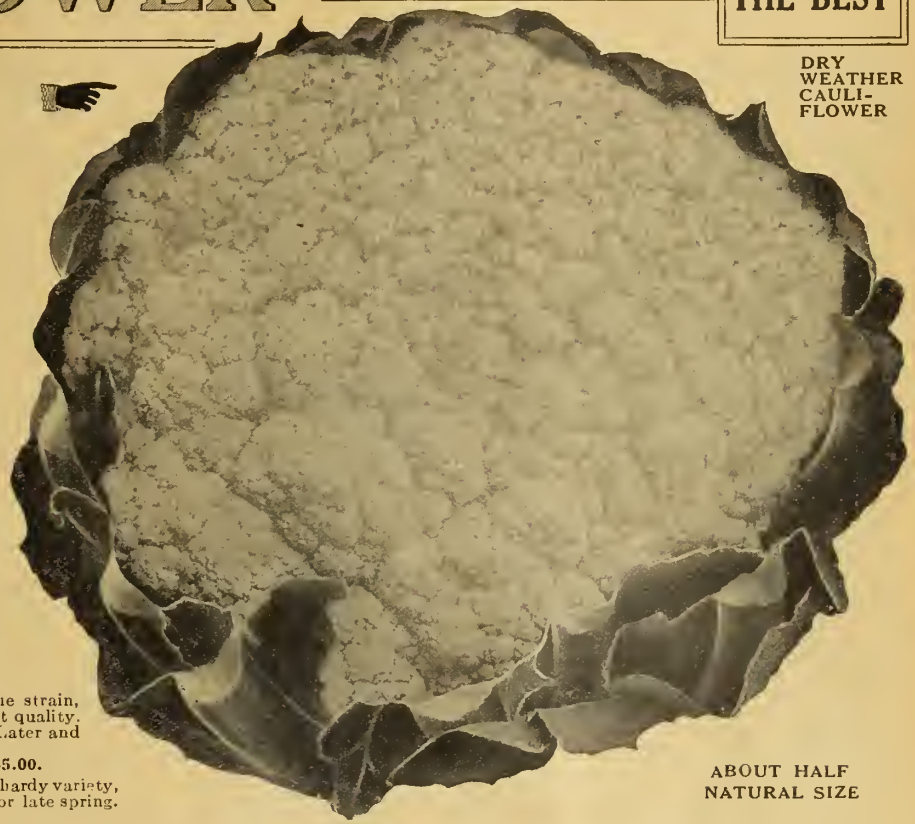
EXTRA EARLY PARIS. Very dwarf and early, for summer planting. **Pkt., 15c; oz., $1.00; ¼ lb., $3.75.**

HALF EARLY PARIS. Slightly larger and later than above. **Pkt., 15c; oz., $1.00; ¼ lb., $3.50.**

LENORMAND'S SHORT STEM. Bears large white head on short stems.
Pkt., 15c; oz., $1.00; ¼ lb., $3.50.

EXTRA EARLY OR SECOND ERFURT. A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early, always certain to head, early or late. Later and larger than Earliest Erfurt.
Pkt., 20c; ¼ oz., 45c; ½ oz., 80c; oz., $1.50; ¼ lb., $5.00.

LARGE EARLY ERFURT. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring.
Pkt., 15c; ½ oz., 55c; oz., $1.00; ¼ lb., $3.75.



DRY WEATHER CAULIFLOWER

ABOUT HALF NATURAL SIZE

CELERY

Celeriac or Turnip-rooted Celery see page 22.
Chervil, see page 22.
Cress, see page 22.

For the Home Garden, plant **for yellow—Golden Self-Blanching,** Vaughan's Select Stock; **for white—White Plume** and **Winter Queen.**

GIANT PASCAL

The stalks are **very large** and **solid,** crisp and of rich nutty flavor. It **blanches very easily and quickly.** The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of **keeping quality.** It is certainly one of the best varieties owing to its splendid keeping quality and marketableness.
Pkt., 10c; ½ oz., 15c; oz. 20c; ¼ lb.60c; lb. $2.

Rose Ribbed Self-Blanching

(Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue.
Pkt., 15c; ½ oz., 45c; oz., 75c.

STANDARD SORTS

Prices of these kinds: **Pkt., 5c; ½ oz., 15c; oz., 20c; ¼ lb., 55c; 1 lb., $1.75.**

EVANS' TRIUMPH. One of the best LATE sorts. Excellent quality and good keeper.

PERFECTION HEARTWELL. Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

SCHUMACHER. Immense size; solid; crisp; firm golden yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

FAR SUPERIOR "MANY HEART." Late, very large and fine; popular in Philadelphia.

BOSTON MARKET. White and solid; very dwarf; crisp and tender.

Was highly pleased with seeds sent me last spring. The Dry Weather Cauliflower was fine and so were the slicing cucumbers. Beets were also fine.
J. H. CASTLEDINE, La Luz, New Mex.

WHITE PLUME

WHITE PLUME

Of the **white varieties** this is recognized **the best.** Amongst market growers it is popular because it has excellent marketable qualities, with consumers it is a favorite because of its crisp, tender, and altogether desirable eating qualities. Its habit of growth is **vigorous,** stalks are uniformly **white,** and **large** sized; as a seasonable variety it's a money maker for the market-gardener. We do not recommend it as a keeper, but wholly as a **splendid sort** in its **season,** for which it has the highest endorsements of professional growers. For fall and early winter **White Plume Celery** grown from Vaughan's seed is a trade-building, money-making sort.
Selected stock—Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c; ¼ lb., 80c; lb., $3.00.
Standard stock—Pkt., 10c; ½ oz., 15c.; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., $2.50.

DWARF GOLDEN HEART

Solid, shapely stalks; **large heart,** which blanches to a **beautiful yellow,** after storing. Popular in many celery-growing centers. It is a long keeping "Golden Dwarf" of established merit. It is shapely and solid and requires little trimming.
Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.

EASY BLANCHING

A recent introduction of merit. It is a vigorous grower, of medium dwarf height, stalks thick, quality excellent. A most desirable variety for the amateur, as it blanches easily and is one of the best keepers. Second early, can be grown for winter and spring use.
Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.25; lb., $4.50.

FRENCH'S SUCCESS. A fine keeping Winter White Celery. **Pkt., 10c; ½ oz., 20c; oz., 30c; 2 oz., 55c; ¼ lb., $1.00; lb., $3.50.**

SOUP CELERY OR SMALLAGE. Green foliage used for soups. **Oz., 15c; ¼ lb., 40c; lb., $1.50.**

OLD CELERY SEED. Used for flavoring.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

We issue a 56 page Celery Manual—full of valuable information regarding soils, drainage, etc.—FREE with a $2.00 order of vegetable seeds in packets or ounces if asked for.

Only half the pleasure of a garden is in its beauty—the other half is in its tending.

BRUSSELS SPROUTS

BORECOLE—See Kale, p. 23.

BRUSSELS SPROUTS

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

IMPROVED DANISH. Hardy and a heavy yielder. A fine variety originated and grown in Denmark.
Pkt. 10c; ½ oz. 20c; oz. 35c.

PARIS MARKET. Half dwarf, exeellent yielder.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

IMPROVED DWARF. Dwarf habit and less liable to aphis than others.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in northern latitudes, where Cauliflower does not do well.

Large White Mammoth. Good white heads.
Pkt. 10c; ½ oz. 30c; oz. 50c.

Purple Cape — This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt., 10c; ½ oz., 30c; oz., 40c.**

WITLOOF CHICORY

CELERIAC—Turnip Rooted Celery

This vegetable deserves much wider cultivation, it has real merit. Cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve **Celeriac.** The roots keep well in winter—recipes for preparing enclosed with seed.

NEW CELERIAC, "DELICATESSE." Roots are oval, perfectly smooth: no side roots—never rusts. Flesh is pure white, tender, and of general excellent quality; this kind does well on light soils. **Pkt., 15c; ½ oz., 35c; oz., 60c.**

EARLIEST OF ALL. Ready in June; pure white flesh, very tender. **Pkt., 15c; ½ oz., 35c; oz., 60c.**

LARGE SMOOTH PRAGUE. Excels in quality, size and appearance. Not like common sorts, which are often crooked and have a lot of useless roots. **Large Smooth Prague Celeriac** is the **main crop** variety, nearly globe shape and almost twice the size of Erfurt—only a few rootlets at bottom—the American growers favorite. **Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., $1.25; lb., $4.00.**

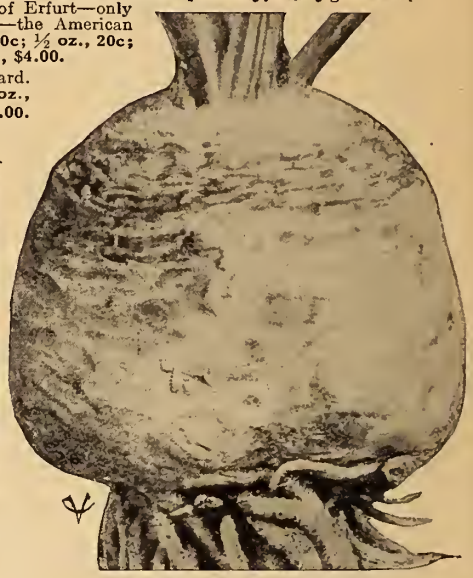
LARGE ERFURT. A standard. **Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., $1.25; lb., $4.00.**

CHICORY

Witlooff (French Endive). A European delicacy now standard in all best hotels and restaurantsin the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages.
Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

Roots of above 3 for 40c. postpaid (with forcing directions up to April 1st).

Large Rooted Magdeburg. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad.
Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.



CELERIAC—Giant Prague

CARDOON. Main stalks are blanched like Celery, used for salad or in soups.
Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

CHERVIL DOUBLE CURLED. Similar to Parsley, handsome for garnishing. **Pkt., 10c; oz., 25c.**

COLLARDS. A variety of cabbage used in Southern states. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

KOHLRABI

Sow in June or July, in rows, thin to 12 inches.

Bulbs grow above ground, are stripped and cooked like Turnips, but are much sweeter.

KING OF THE EARLIES. An extra choice strain of White Kohlrabi, very quick growth. Short leaves, very tender and fine flavor.
Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $4.00.

EARLY WHITE VIENNA. White and tender.
Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.25.

EARLY PURPLE VIENNA.
Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.25.

SHORT LEAVED EARLY ERFURT. For foreing in open ground. White flesh, very tender, short leaves.
Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

Sweeter Than Turnips

KOHLRABI White Vienna

LEEK

LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.**

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves.
Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.

ROUEN, LARGE WINTER. Large, excellent—best of all. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.**

LONG MEZIERES. One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow white; fine flavor, very hardy. Unsurpassed for market garden. **Pkt., 10c; oz., 30c.**

BULGARIAN WINTER. A most desirable Leek, extremely hardy, enormous size. **Pkt. 10c.; oz., 35c.**

CORN SALAD—Field Salad

CORN SALAD. (Mache-Stiek, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuee. Sow either in Spring or Fall.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.40.

CORN SALAD

GARDEN CRESS OR PEPPER GRASS.

CURLED GARDEN. Used with Lettuee, it adds an agreeable pungency. **Pkt., 5c; oz., 15c; ¼ lb., 35c.**

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. **Pkt., 5c; oz., 20c; ¼ lb., 50c.**

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. **Pkt., 20c; ½ oz., 35c; oz., 60c.**

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size.
Pkt , 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.25; lb., $8.50.

I would like to say a word of praise for your seeds, etc., which I have handled the last twelve years with excellent results. EDWARD BOULTER, Winnetka, Ill.

EGG PLANT VAUGHAN'S IMPROVED NEW YORK PURPLE

"New York" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. **Sow Vaughan's seed. Pkt., 10c; oz., 60c., ¼ lb., $1.75; lb., $7.00.**

BLACK BEAUTY. Is 12 days earlier than New York; for northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. **Plant Vaughan's seed. Pkt., 10c; oz., 65c; ¼ lb., $2.75; lb., $8.00.**

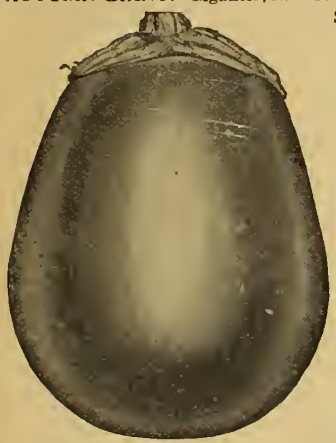
BLACK PEKIN. Round shape, and almost black; flesh is white and solid, fine grain and delicious flavor. It is early and a good marketable size egg plant. **Pkt., 10c; oz., 60c.**

VERY EARLY DWARF PURPLE. This variety is extremely early, it resembles "New York Improved" in shape and color, but is smaller and earlier. **Pkt., 10c; oz., 60c.**

BLACK BEAUTY—An Early variety, suitable for northern planting

ENDIVE

CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August.
GREEN CURLED SUMMER. Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**
GREEN CURLED WINTER. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.
AUTUMN GIANT. Gigantic; ideal for early use; does not stand severe frost. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**



VAUGHAN'S IMP'D NEW YORK PURPLE EGG PLANT

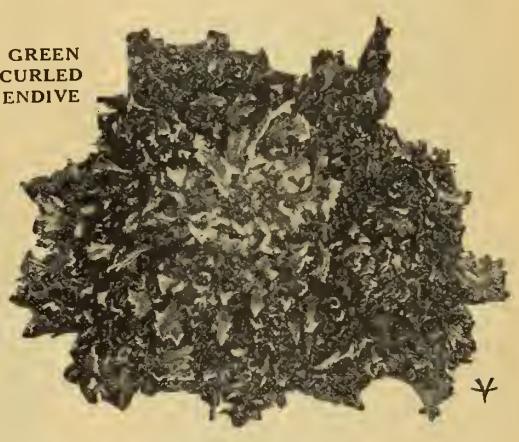
STAGHORN, best for early. It does not go to seed if planted in hot-bed, then transplanted outdoors. This is a great advantage for early growth and brings it into the first early market. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**
GIANT FRINGED. Most beautiful snow white heart, fine delicate green fringe. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.**
MOSS CURLED. Fine sort. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**
EVER WHITE CURLED. Very crisp. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**
BROAD LEAVED WHITE. Slightly curled. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

GARLIC SELECTED BAVARIAN

Lb., 50c. Postage extra.
Write for latest market prices on quantities.

HORSE RADISH SETS

ORDINARY HORSE RADISH. Roots produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 inches under soil. **100, $1.20; (by mail, $1.30); 500, $5.00; 1000 $9.50.**



GREEN CURLED ENDIVE

HORSE RADISH, Bohemian. Earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. **Sets or Roots, per doz., 30c, postpaid; by express, 50 for 85c; 100 for $1.50; 1000, for $12.00.**

KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later.
DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**
VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.**
TALL GREEN CURLED. Pkt., 10c; oz. 20c; ¼ lb., 65c; lb., $2.25.

VAUGHAN'S EXCELSIOR MOSS CURLED KALE

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.75.**

SEA KALE

Ready for use earlier than Asparagus, and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves used as greens. Sea Kale comes usually from seed, but can be grown from offsets or root cuttings. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. As soon as show above the ground, blanch with earth, boards, sand, etc., until ready for use. **Pkg., 15c; 1-2 oz., 30c; oz., 60c; 1-4 lb., $1.75.**

The seed I purchased from you this Spring is coming up fine. Everything looking good. J. E. FISHER, Calumet, Mich.

Plant Vaughan's Seeds and insure success in your garden. **Gardening pays.**

The Golden Bantam and Bantam Evergreen Sweet Corn seed that I received from you last spring were surely all quality being the most delicious sugar corn that it has been my pleasure to enjoy.
E. A. SMITH, Baltimore, Md.
(See next page).

VAUGHAN'S MAMMOTH RHUBARB

RHUBARB

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. **Price of Seed per Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.**
LINNAEUS. Seed, per pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.
CHICAGO GIANT. This dwarf Rhubarb is bred for large stalks and small leaves. We have grown this variety for years, and find it A1. **Pkts. only, 15c. Roots, good sized clumps, by express, 50c each.**
RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following season; clumps each 15c; doz., $1.50.
Large clumps, by express, 25c, 3 for 60c.
Extra Large Clumps, each 50c; 3 for $1.25.

Plan your garden **early!** Perhaps you have a friend who would like to have one of our catalogs. A postal is sufficient.

MAMMOTH WHITE CORY

U. S. Government License No. G31074

FINEST TYPE OF EACH, GROWN

VAUGHAN'S MAMMOTH WHITE CORY

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—**Earliness, Size, Sweetness.** Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn; the ears are as long with two to four more rows of kernels set close, so there is no loss of space in the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is **grown** and **bred on our own farms.** No more careful selection can be practised than we use, and ears are dried in crates to insure high, germination.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.75.

GOLDEN BANTAM

Now the most popular of all first early Sweet Corns and planted in nearly every garden.

This "Yellow Nugget" has made more enthusiastic and satisfied amateur horticulturalists than acres of successful gardens filled with other vegetables. A brief description for the uninitiated, if there still be such — Golden Bantam is an extra early yellow sort about a week later in season than Cory or the first earlies. The ears are borne two to a stalk and are about six inches in length with eight rows of kernels on a cob. We grow our seed of this sort on our own farms in Michigan and we have taken great care in the development and culture of our strain which may be relied upon for absolute purity of type **Plant Vaughan's.**

Pkt., 10c; lb., 30c; 2 lb., 55c; 10 lbs., $2.10.

VAUGHAN'S BANTAM EVERGREEN

A corn of Golden Bantam QUALITY of the RIGHT SIZE. It is a product of Golden Bantam crossed with Stowell's Evergreen. It has retained the quality of the Bantam and has the more tender skin of the Evergreen. Market gardeners are at least able to sell

GOLDEN BANTAM

EARLY CHAMPION

Malakoff

The **Great Sweet Corn** for northern country; in the northern states and Canada where the season calls for quick maturing this is **the best** of all sweet corns. In flavor it has no equal. It is a dwarf growing corn, rarely exceeding 4 feet in height; the stalks usually average 2 ears each. The kernels are shallow and sweet. We have **specialized in this variety.** Our stock has been carefully re-selected and the crop harvested on our Michigan farm.

Pkt,. 10c; lb., 30c; 2 lbs., 55c; 10 lbs., $2.25.

EARLY IOWA. A fine sweet corn. A week earlier than "Mammoth White Cory," and of superior quality. The ears are 8 rowed usually 2 to a plant. The stalks are short with little foliage. Under middle west conditions it is the earliest sweet corn with ears of marketable size. Our seed is grown on our own farms in Michigan.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

PEEP O' DAY. Similar to Malakoff.

Pkt., 10c; lb., 25c; 2 lb., 50c.; 10 lbs., $2.00.

EARLY MAYFLOWER. In the New England States this is the earliest sweet corn of good size. In the Middle West it is not as early as Early Iowa. White cob and kernels, larger than White Cory and ten days earlier. New England grown seed.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.75.

	Lb.	2 Lbs.	10 Lbs.
Early Cory. Red cob.....	25c	45c	$1.75
Adam's Extra Early } Not sweet	20c	40c	1.50
Adam's Early } but early	20c	40c	1.50

Any of the above, **per pkt., 10c.** (Larger quantities than 10 lbs. of any kinds on this page at 10-lb. rate.)

Improved Early Champion

Is a second early which ranks high in popular favor, it is one of the earliest **large sweet** corns, in season two weeks later than "Mammoth White Cory." The ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The ears are medium, often three on a stalk. Planted by many gardeners for both early and late.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.75.

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rowed, grains square, very white, sweet and tender.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

LATE MAMMOTH. Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.75.

PREMO. Early, medium high stalks, ears have 8 rows, good quality, quite hardy, may be planted early.

Pkt.. 10c; lb., 25c; 2 lbs. 50c; 10 lbs., $2.00.

METROPOLITAN. Popular in eastern states, season between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

SWEET CORN MAIN CROP

Fertilize the Sweet Corn ground if you want high sugar content. See Fertilizer Pages. Vaughan' 2-8-1 is a good one for Sweet Corn. Hoe frequently. Full line hoes on implement pages.

PLANT THE BEST

UNDER ITS OWN CONDITIONS

STOWELL'S EVERGREEN

The **great standard main crop** variety of Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. This sort is very productive, and the **deep set white kernels of sweetness** are tender and very fine, which accounts for the **great popularity** this standard sugar corn has attained. For the home garden, the market grower or canning factory, it is always an immense success. We have specialized in this grand sweet corn for many years, and we say with confidence **our strain is the best** that **money can buy.** Vaughan's **New England grown seed** develops a larger percentage of sugar than seed grown in the Western States. We quote prices here for both.

Eastern Connecticut grown,
Pkt., 10c; lb., 25c; 2 lb., 50c; 10 lb., $2.00.

Western grown, Eastern stock seed,
Pkt., 10c; lb., 25c; 2 lb., 45c; 10 lb., $1.75.

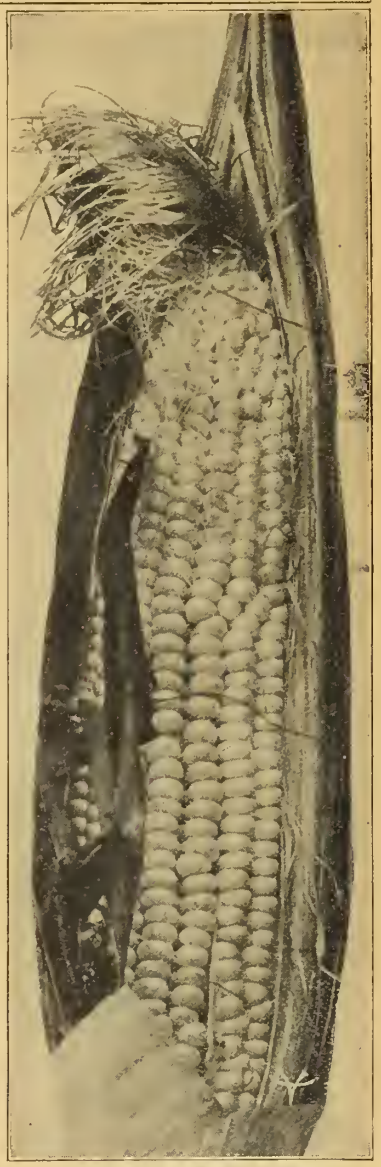
COUNTRY GENTLEMAN

Is a **late main crop** variety, which should find a place with every grower for home or market. The ears, which are seven to nine inches long are borne on stalks six to seven feet high. Unlike other sorts the grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet, this corn is regarded by many as the highest quality of all White Sweet corns. Vaughan's strain has been especially selected for small deep kernels and high sugar content and represents the highest bred type.

Pkt., 10c; lb., 25c; 2 lb., 50c; 10 lb., $2.00

BEST AND SWEETEST SUGAR CORN See Illustration on Back Cover

a merchantable sized ear of corn superior in quality to any on the market. Grown and bred in New England, the home of sweet corn, where it is pronounced the SWEETEST CORN EVER EATEN. ***Pkt., 15c; lb., 30c; 2 lb., 60c; 10 lb., $2.25.***



STOWELL'S EVERGREEN

EARLY EVERGREEN

Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort.

Reliable seed of this well known variety is at your command in Vaughan's Seed Store.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.75.

NARROW GRAINED EVERGREEN

A selection from the broad grained Evergreen in which the large sized cob is retained with the kernels only half as wide as the Standard Sort. The result is a much more attractive looking corn. Especially valuable to market growers and canners.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

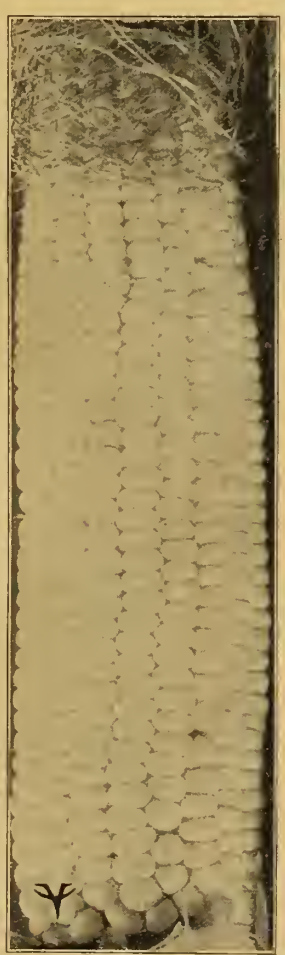
GOLDEN CREAM (A Late Yellow)

A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman.

Pkt., 15c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.25. (Larger quantities of all Sweet Corns or other seeds at 10 lb. rate.)

For a succession in the home garden, plant Golden Bantam, Bantam Evergreen and Golden Cream.

Vaughan's Sweet Corn Specialties
Bantam Evergreen
Mammoth White Cory
Golden Bantam
Early Iowa
Malakoff
Early Evergreen



EARLY EVERGREEN

COUNTRY GENTLEMAN

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat.

Pkt., 10c; lb., 30c; 2 lb., 55c; 10 lb., $2.10.

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

Any of the following, per pkt., 10c.

	Lb.	2 Lbs.	10 Lbs
Kendel's Early Giant	$0.25	$0.45	$1.75
Early Mammoth	.25	.45	1.75
Moore's Early Concord	.25	.50	2.00
Old Colony	.25	.50	2.00
Hickox Improved	.25	.50	2.00
White Evergreen	.25	.50	2.00
Late Mammoth	.25	.45	1.75
Perry's Hybrid	.25	.45	1.75
Narrow Grained Evergreen	.25	.50	2.00

(Larger quantities all Sweet Corns at 10 lb. rate.)

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season; Mammoth White Cory, Early Champion, Stowell's Evergreen. Offer No. C3X. **1 pkt. each (3 kinds), 25c; prp'd.**

CORN SALAD. A MOST REFRESHING SALAD. SEE PAGE 22

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

Is **early,** and a heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh **firm** but **tender,** with delicious flavor; these surpassing qualities have made it a great favorite.

In the southern country it is a universally planted sort and **Vaughan's strain** of **Improved Arlington White Spine** is the **Standard** for both **home** and **market gardens.** For northern **markets** it may be a trifle small, but for **home garden,** it has no superior and is indeed **very popular. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.**

About Two-Thirds Natural Size

VAUGHAN'S ARLINGTON WHITE SPINE

About Half Natural Size

VAUGHAN'S BOSTON FORCING WHITE SPINE

BOSTON FORCING WHITE SPINE

In New York, Boston, Philadelphia and other exacting markets, Vaughan's "Boston **Forcing** Cucumber" is the "top notcher" of **forcing varieties** in both price getting and popular favor. Add to this the fact that the vines are remarkably strong and very productive, 25% better than other forcing sorts, and you will understand why this splendid cucumber is a big money maker and a great favorite. The fruit is very even, smooth, slender, with dark green skin and whitish markings more blended than is usual, and the quality **very superior.** For hot-bed and outdoor planting in southern localities.

This is a money-maker for market growers.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EARLY CYCLONE. 3 to 4 inches long, earliest of the white spines; prolific. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.**

IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.**

EMERALD. Smooth, almost spineless, dark green, which it retains well, fine for slicing. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.**

NICHOLS MEDIUM GREEN. Early, medium size, straight, smooth, dark green, good flavor, for pickling and slicing. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.**

COOL AND CRISP. Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.**

ODD CUCUMBERS

Japanese Climbing. Grows quickly on poles or trellis, takes up little room in the garden. Fruit is good size, fine flavor, especially good for slicing and salads; does best in dry warm summers.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

Lemon Cucumber. Not the same as the Garden Lemon (see page 33), though similar in appearance, it is a real luscious flavored cucumber, a worthy addition to the list. **Pkt., 10c; oz., 15c.**

Serpent or Snake. A curious, usually much twisted cucumber **Pkt., 10c; oz., 25c.**

We specialize in choicest strains of Cucumbers as well as Radish.

PICKLING

WESTERFIELD'S CHICAGO PICKLE

Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market.

The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get, for our selected seed.

When ripe the fruit is medium size, pointed at both ends, has large prominent black spines; the vines set fruit when young and continue bearing longer than other varieties.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. **Plant Vaughan's Seed.**

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

THE CUMBERLAND PICKLE

This is a variety of the White Spine Type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sorts, being thick set with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. Excellent for pickles and slicing. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.**

Dandelion, see page 22. Egg Plant, Endive, Horse Radish Sets, see page 23.

CUCUMBERS

SUITED TO ALL LOCALITIES

VAUGHAN'S Cucumber Specialties. Vaughan's Improved Long Green, Westerfield's Chicago Pickle. Snow's Fancy Pickling.

PLANT THE BEST

Splendid for Forcing. Excellent for Outdoors. **THE VAUGHAN** *Best of All for Slicing. Uniform Size.*

VAUGHAN'S SPECIAL

A really sensational novelty. In our opinion the best new cucumber ever introduced. Compared with other extra long white spine cucumbers, like Davis Perfect, Fordhook Famous, etc., it is much darker in color, more uniform in size, thinner and more prolific. *(See illustration on back cover page.)* Don't fail to try it. We hope to offer in quantity next year. **Pkt., 10c; oz., 50c.**

DAVIS PERFECT

Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the **extra long white spine** cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth, makes it the **best blight resister** of the **long sorts.**

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

Stock seed—pkt., 15c; 2 for 25c; ½ oz., 60c; oz., $1.00.

Improved Long Green

Vaughan's strain of **"Long Green,"** is a strain improved and developed by re-selection. The vines of our strain are **very vigorous,** and **productive;** the fruit (12 inches long) is formed almost as early as on the short sorts. As a cucumber of the **"black spine"** variety, for **slicing** and for **pickles,** this is one of the very best. The flesh is very firm and crisp and has a **distinctive fine flavor** quite its own; they make excellent pickles, and when yellow and ripe **the best sweet** pickles. The fine **dark green** color, the size, shape, crispness, and flavor, make this the **best** of the **"black spine" varieties.**

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

EXTRA LONG WHITE SPINE

Like "Davis Perfect," "Extra Long White Spine," is a **great blight resister.** It is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh It is **very early,** vigorous and prolific and far more blight-proof than any of the ordinary sorts. **Select stock, pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.50.**

ROCKY FORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

NEW CENTURY—A fine strain of long white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color well and is fine for slicing.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

FORDHOOK FAMOUS—White Spine. As long as "Davis," slightly bent, but very handsome, twelve to fifteen inches long. Quality is superb. dark green; vigorous.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.50.

About One-Third — Natural Size

EXTRA LONG WHITE SPINE

DAVIS PERFECT CUCUMBER
Less Than Half Nautral Size

IMPROVED LONG GREEN

CUCUMBERS

VAUGHAN'S SPECIAL

SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy. **Pkt., 10c; oz., 15c; ¼ lb., 45c.**

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

	Pkt.	Oz.	¼ lb.	lb.
Extra Early Green Prolific or Boston Pickling	5c	15c	45c	$1.40
Early Cluster	5c	15c	45c	1.40
Fordhook Pickling	5c	15c	45c	1.40
Early Frame or Short Green	5c	15c	45c	1.40

Vaughan's Prolific Forcing. Early, shorter than others, uniform. **Pkt., 25c; 3 pkts. for 65c.**

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown. **Pkt., 25c.**

Prescott's Wonder. Fine flavored. Good yielder. **Pkt. (50 seeds), 25c.**

Carter's Model. One of the best English varieties. Large, straight, smooth. **Pkt., 25c; 3 pkts. for 65c.**

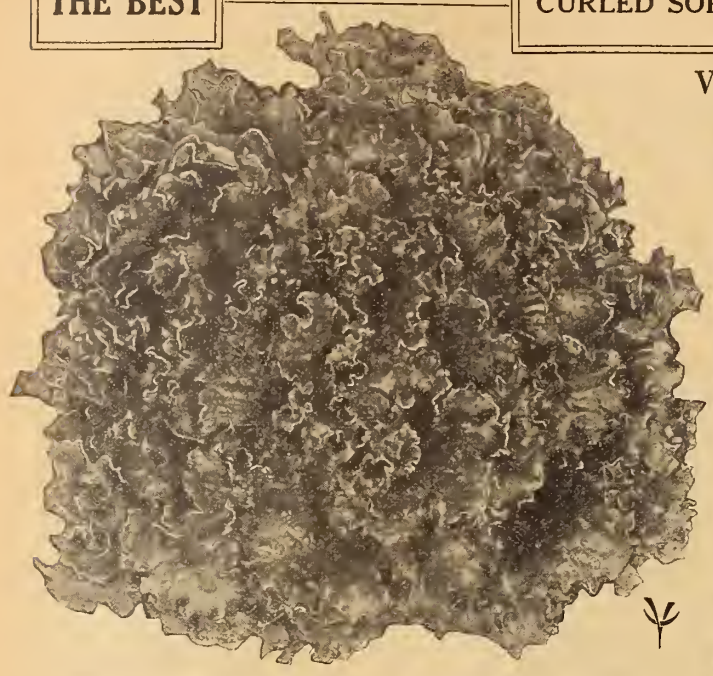
Sow a little Lettuce Seed amongst your cucumbers; some gardeners say the cucumber beetle won't touch the fruits if lettuce is grown amongst them.

PLANT THE BEST

Sow Lettuce a little at a time, and often, for a continuous supply. Vaughan's All Seasons is the surest beader.

LOOSE LEAF OR CURLED SORTS

VAUGHAN'S



VAUGHAN'S SELECTED LETTUCE STOCKS

GRAND RAPIDS — VAUGHAN'S SELECTED STOCK

A home garden favorite, extensively planted for market.

Grand Rapids Lettuce for hot-bed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The **leaves develop very quickly** and its **upright habit,** requiring little room in the bed, permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green, daintily curled, tender and crisp. The flavor is sweet and delicious. This lettuce secures many buyers, and makes profit for the market growers who plant it, and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

Vaughan's Extra Selected Stock:
Pkt., **10c;** oz., **15c;** 2 ozs., **25c;** ¼ lb., **45c;** lb., **$1.50.**

Standard Stock: Pkt., **5c;** oz., **10c;** 2 ozs., **15c;** ¼ lb., **30c;** lb., **$1.00.**

TILTON'S WHITE STAR. Large, very rapid grower, is a distinct variety of B. S. Simpson; leaves are **very broad, thick,** less frilled and darker than B. S. Simpson; they blanch well, good quality—slow to seed. Pkt., **5c;** oz., **15c;** ¼ lb., **35c;** lb., **$1.10.**

PRIZEHEAD. Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones, shaded brown; very crisp, sweet and tender, splendid for home garden.
Pkt., **5c;** oz., **15c;** ¼ lb., **35c;** lb., **$1.10.**

Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity time is 40 to 50 days.
Always buy **Vaughan's Selected Stock;** Type, quality and germination of the seed make it really cheaper.

Our Free Delivery. See inside front cover page explaining **free delivery** to tbree first postal zones.
For 5 cents per pound more we prepay to all zones.

BLONDE BEAUTY. Try it. A remarkable heat resister, excellent keeper after cutting, tender, sweet, crisp and juicy. Fine sbipper. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

UNRIVALLED. A light green strain of Big Boston. **Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.50.**

CALIFORNIA CREAM BUTTER. One of the best **summer varieties.** Heads good size and solid. Beautiful appearance, crisp, rich, buttery flavor. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

TENDER HEART. Early, tight-heading; green leaves, edges tinged reddish-brown. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

COS LETTUCE

Considered by many the highest type of lettuce; has distinct upright habit, very crisp and sweet. Needs transplanting.

EXPRESS COS. A Vaughan introduction. Tbe most dwarf and earliest of all. Delicious flavor. Self-closing.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

PARIS WHITE COS. Grows to large size. Self-closing.
Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

TRIANON COS. Similar to above, but grows whiter and matures earlier. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

These need transplanting to mature properly. Use Nitrate of Soda to hasten development. See page 125.

CABBAGE OR

VAUGHAN'S ALL SEASONS

In 1879 we introduced this distinctive variety. It immediately leaped into popular favor, in whicb it has gained througb all tbe years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutcb Cabbage; leaves are grayish-green, never spotted or brown; they are broad and tbick and bave decided buttery flavor, embodying all in tbe term **excellent;** the inner leaves blancb beautifully. This sort is a **sure header** and **slow to run to seed. Vaughan's introducer's selected stock** is the exclusive favorite of Chicago market growers.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.50.

MAY KING. A very **early heading** variety. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

ST. LOUIS BUTTER-HEAD. Extensively planted. Has gained great popularity since the St. Louis World's Fair in 1904. Large, solid head, crumpled leaves, yellow center. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

WAYAHEAD. Very early head lettuce, in season about time of "May King." Is larger than May King. The head is of golden yellow, and the outer leaves light-green. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

KALE, see page 23. KOHLRABI, LEEK, see page 22.

LETTUCE

LOOSE LEAF OR CURLED SORTS

Vaughan's Lettuce Specialties
Big Boston, Select Stock. Has the highest reputation in southern market sections.
Grand Rapids Select. The greenhouse grower's standard.
Vaughan's All Seasons. A sure header.
Black Seeded Simpson. Select stock.

PLANT THE BEST

ARE STANDARD FROM COAST TO COAST

BLACK SEEDED SIMPSON

Very popular with Home Gardeners and Market Growers

(Varieties listed on top half of these two pages are loose leaf sorts, while the bottom half describes head lettuces).

Black Seeded Simpson Lettuce is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head; they are a handsome green beautifully crumpled, have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground. It is unsurpassed as a heat resister, and is especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. Its fine appearance makes it a success on the market, and in the home garden.

Vaughan's Selected Stock: Saved from extra selected plants.
Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; lb., $1.50.

STANDARD STOCK: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

EARLY CURLED SILESIA: A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

EARLY CURLED SIMPSON: White seeded, similar to Early Curled Silesia—one of the best leaf lettuces.
Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

THE MORSE: Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled.
Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

Central Market Lettuce—crop failure.

BLACK SEEDED SIMPSON

DENVER MARKET FORCING: Early; forms loose head of good size; leaves light green, handsomely marked, and blistered like a Savoy Cabbage; very crisp and tender, a forcing or open ground sort. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

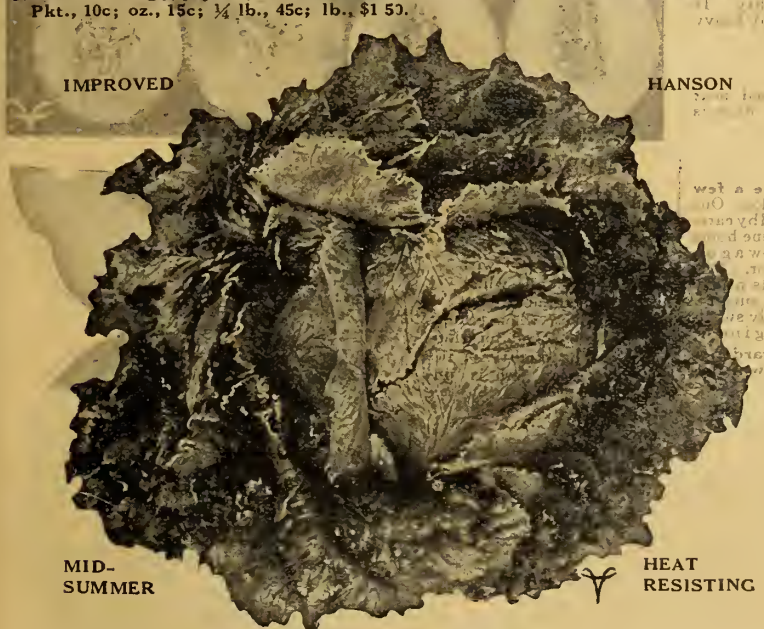
HEAD LETTUCE

Lettuce needs rich warm soil. Fertilize liberally. See page 125.

IMPROVED HANSON

The Most Reliable Header for Home Garden

On all markets—a well known, highly approved lettuce. Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.



PERPIGNAN OR SUMMER DEFIANCE. Excels for long standing. Resists heat better than most others. Heads are large, firm and solid.
Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

MAXIMUM OR IMMENSITY. A wonderful heat resister. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center; splendid quality.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

VAUGHAN'S BIG BOSTON

A very deserving smooth-leaved head lettuce of uniform growth and finest quality. With southern gardeners who ship north, **many of whom plant Vaughan's seed exclusively,** this is most popular; the best early large heading sort South; North, a valuable **first early.** Plants are vigorous, mature large heads of bright green leaves which are very tender. One of the very best for forcing. Should be grown by market gardeners and amateur growers alike. Our strain is unsurpassed. **Vaughan's selected stock.**
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

BLACK SEEDED BIG BOSTON

An improved **shipping** strain of the **Big Boston.** Leaves are slightly smaller; sometimes **heads** harder, does not rot as quickly in cold, rainy weather. In great demand in large Southern lettuce sections. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

THE DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful **golden yellow; rich buttery flavor.**
Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.

OTHER GOOD SORTS

ICEBERG. Extremely hard heading, has finely indented leaves Good for home or market.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35.

GOLDEN QUEEN. A good first early.
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

GIANT CRYSTAL HEAD. White solid, extra quality.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

GIANT GLACIER. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

MAMMOTH BLACK SEEDED BUTTER. Large hard heads. A favorite everywhere. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35.**

MIGNONETTE. A delicious, crisp, solid, small lettuce: very hardy; stands close planting. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

NEW YORK OR WONDERFUL. Large white leaves.
Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.

BUTTERCUP. Lightest green and most yellow of all sorts. Excellent quality. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

BROWN DUTCH. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25**

SALAMANDER. Good all seasons. Resists heat.
Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

TENNIS BALL. Black Seeded. One of best standard sorts.
Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

TENNIS BALL. White Seeded. (Boston Market). A good forcer. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

WHITE SUMMER CABBAGE. Green, very hardy, popular.
Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

VAUGHAN'S

VAUGHAN'S ORIGINAL OSAGE

Most growers of Muskmelons have learned that success with this vegetable varies greatly with soil conditions; many kinds are adapted for only one soil or location; Vaughan's Osage is a notable exception to this rule, it not only succeeds on all soils, but great value lies in its **general purpose adaptability** for both market and home use.

In heavy soils, where other sorts like Rocky Ford produce inferior fruits, Osage does well; in sandy soil it is at home, and a money maker for growers. Seldom indeed is there a poor quality Osage; it holds its **own rich flavor** much longer than other sorts, and best of all the red-fleshed. As the introducers we pride ourselves in maintaining its uniform quality for our old time customers. We carefully re-select our seed melons each season to insure this.

Selected Stock. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., $2.50.

Standard Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 60c; lb., $1.40.

SPECIAL SHIPPING OSAGE. This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

VAUGHAN'S EXTRA EARLY OSAGE

Extra early strain of the Popular Orange Flesh Osage Melon Not as large as Vaughan's Original Osage but at least ten days earlier and of equal quality. Market Gardeners will find it a money maker. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.25.

VAUGHAN'S PAUL ROSE

This is another melon introduction of Vaughan's Seed Store, and as such we offer it to professional melon growers as a variety of **basket packing size** that fills every requirement a first class melon should have. Paul Rose is the **result** of crossing **Osage** and **Rocky Ford,** an exceptional combination of melon qualities, the rich quality, color of flesh and fine flavor of Osage, with the deep netted skin, shape and size of Rocky Ford. This grand melon combination produces the largest percentage of high class table melons. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage.

Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., $2.50.

Standard Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.40.

TIP TOP

A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality. It is sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielder. **Selected Stock.** Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

MONTREAL MARKET NUTMEG

The largest of the nutmeg varieties. This melon is extensively raised near Montreal, being sown and grown in cold frames until ready to set out. Skin is dark green, flesh green. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.75.

VAUGHAN'S MILWAUKEE

This seed grown by ourselves in Michigan.

This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and for a fine home melon and a market-wagon variety it has no superior. The skin is light green, fruits nearly round with only slight sutures, flesh salmon, wonderfully sweet, with almost no stringiness.

Every home gardener who can grow musk melons should plant this for 1920.

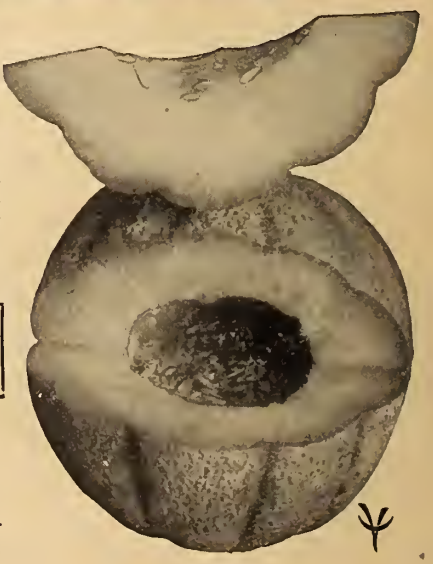
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

MILWAUKEE MARKET

IMPROVED JENNY LIND,

Vaughan's Selected Stock. A compact packer, with rind thick at ends, which are flattened and are not easily broken when crated, or basket-packed for shipment. The quality of it's yellowish-green flesh is unsurpassed.

Pkt., 5c; oz., 10; ¼ lb., 35c; lb., $1.25.



TIP TOP

MELON PESTS. Watch out for cut worms, aphis and blight. Use Paris Green mixed with bran for cutworms; Blackleaf 40 for Aphis and Bordeaux mixture for blight.

FORCING MELONS

Highest Table Quality: Suitable for Greenhouse Growing.

EMERALD GEM FORCING Salmon flesh.
A1 SUPERB. Scarlet flesh.
BEST OF ALL. White flesh.
BLENHEIM ORANGE. Scarlet flesh.
DIAMOND JUBILEE. Green flesh.
RINGLEADER. Green flesh.
ROYAL SOVEREIGN. White flesh.

Prices of each, pkt., 25c.

MUSKMELONS

We are the introducers of **Osage, Hoodoo, Paul Rose,** and **Osage Gem**—melons of quality, shape, and size for home or market use. Don't fail to give them a trial.

PLANT THE BEST

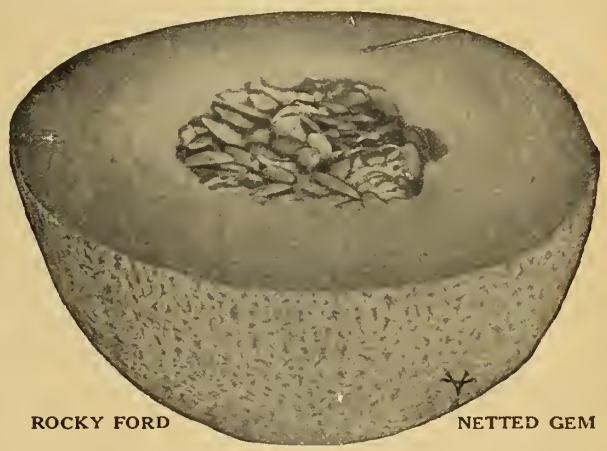
ROCKY FORD NETTED GEM

Of the green-fleshed muskmelons **Rocky Ford is the recognized standard of excellence.** To secure **the real high class quality** possible to produce in this melon it is necessary to have **seed saved from choicest specimen melons only.** We offer **two grades** of seed: **Vaughan's Selected Stock** which is **saved from specimens of the highest class market melons**—since "like produces like"—and **Standard Stock** saved from field-run melons from a crop in which all rogues, or untrue vines, have been discarded.

Picture at right shows specimen grown from Vaughan's Selected Stock. Note the small seed cavity and thickness of flesh. Our strain is the popular gold-lined tint.

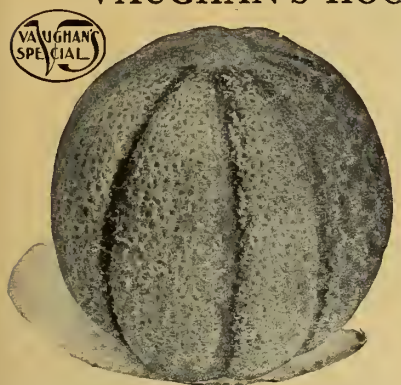
Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.
Standard Stock. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.25.

VAUGHAN'S CHICAGO MARKET. This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.40.**



ROCKY FORD NETTED GEM

VAUGHAN'S HOODOO The Ultra Gem



HOODOO Introducer's Strain. The **best salmon-fleshed Gem Melon.** Introduced by Vaughan's Seed Store. **Quality**—fine grained, not stringy and of the sweetest flavor. **Size and Shape**—just right, so it may be served cut in halves. **Flesh and Color**—deep orange, extremely thick. **As a Shipper**—uniform, like "peas in a pod." Netting is ideal, heavy and close. **Prolific and uniform,** produces well under unfavorable conditions and withstands blight better than most varieties.

HOODOO melons from Michigan points bring highest market prices in competition with the whole United States.

SELECT STOCK. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.
Standard Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.40.

Morrill's Re-selected HOODOO (Hearts of Gold). Selected especially for shipping. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

CHAMPION MARKET. The flesh is light green and of very rich sweet flavor. Early as Netted Gem, which it resembles in shape, but is fully three times its size. Very prolific, a good shipper.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.40.

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each; market growers should remember that this is one of the best, earliest, hardiest, most prolific of netted melons—and has fine flavor. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.25. Hackensack—late strain:**
Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.25.

OVAL NETTED GEM. Old style Gem which was in favor before the new Rocky Ford types, and now, in the East is often preferred to Rocky Ford.
Price, Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.25.

MANGO MELON. OR VEGETABLE PEACH. Orange shaped, golden yellow flesh. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets.
Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., $2.00.

VAUGHAN'S OSAGE GEM. A real gem with salmon colored delicious flesh, and where Rocky Ford Netted Gem is produced in Colorado it is as much in favor as green fleshed variety. Introduced by us under the name "Vaughan's Osage Gem," it is now the most renowned melon of any offered on the market. It is listed in all seed catalogues under other names. The skin is heavily netted like the Rocky Ford and the luscious salmon colored flesh is of the highest quality.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

EXTRA EARLY HACKENSACK

EMERALD GEM

The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but is not a good shipper; it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

EARLY CITRON, LANDRETH'S. Very early half flat sort. Flesh green, of fair quality.
Price, Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.25.

BANANA. Cucumber shape. Delicious odor.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

EXTRA EARLY NUTMEG. Very early; green flesh.
Price, Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.25.

ROUND GEM. A round selection of the netted Gem.
Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.25.

NEW MELON, HONEY DEW

A new melon originating in the Rocky Ford district with a somewhat vague story of the first seed having come from some place in South Africa. The skin is perfectly smooth, of a delicate yellow color with incidental warts in scattered fashion. The rind is thin but very firm, the flesh is very thick and the color blends from a near white at the rind to the daintiest of emerald greens at the seed cavity which is of medium capacity. The flesh is very sweet and juicy and possesess a peculiar honey flavor. In short season localities it should be started on sods in the hot bed, as it is several weeks later than the Rocky Ford.
Honey Dew is best when quite ripe. Store a few days after picking.

Pkt., 10c; oz., 25c; 2 oz. 45c; ¼ lb., 75c; lb., $2.50.

SWEET AIR—(New). Very popular around Washington, Baltimore and Philadelphia. Being a **green fleshed melon** of **superior flavor** and correct size, is well suited to that region, and commands the highest market price. It is 5 to 6 inches across and 7 to 8 inches long. The netting is good, and crated stand long-distance shipping. The flesh is thick, color dark green blending to light pink near the center. The vines withstand blight better than other gem sort, and remain green until fruit is fully ripe. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

GARDEN LEMON. Fruit nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor.
Price, Pkt., 10c; 2 for 15c; oz., 25c.

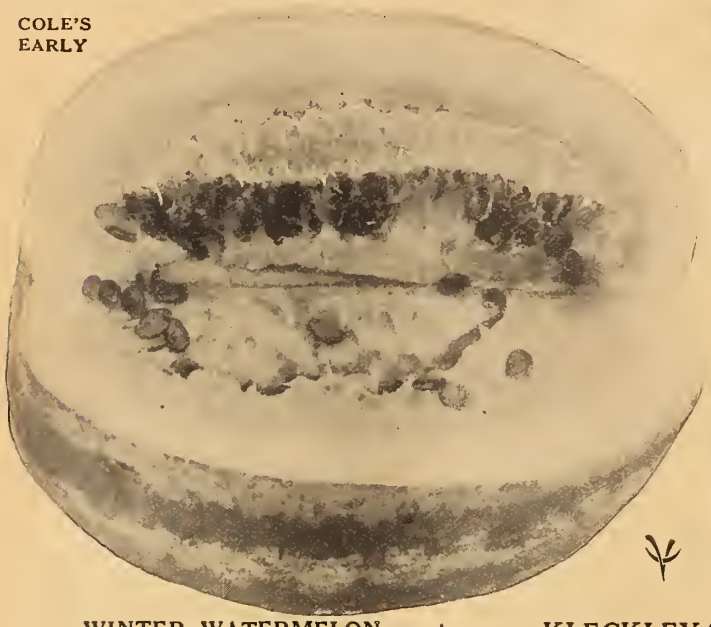
OSAGE GEM MUSKMELON

PLANT VAUGHAN'S

WATERMELONS

PLANT VAUGHAN'S

COLE'S EARLY



COLE'S EARLY

Best for Northern Latitudes.

The Northern States favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notcher. **For the home market it is peerless.** It is oblong shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper. The flesh is rich, and deliciously sweet. **Vaughan's "Cole's Early"** is the most extensively planted watermelon for home-market in the Northern States, where it is the undisputed favorite. The vines are strong, vigorous and very productive.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; 5 lbs., $4.00; 10 lbs., $7.50.

Melon Aphis can be controlled by the use of Black Leaf 40. (See page 130). These Aphis usually appear on the under side of the leaves. Spray the vines on the first sign or appearanec of the pests. See Sprayers on page 127.

For the home garden, plant Cole's Early and Kleckley Sweets.

For local market, plant Kleckley Sweets; for shipping Tom Watson.

VAUGHAN'S KLECKLEY SWEETS

SWEET AS HONEY

WINTER WATERMELON

This is an exceptional melon for fine keeping quality; put in a cool place it keeps long into the winter and retains its delicious sweetness and flavor. It is early and prolific; the flesh is red, extremely firm, almost as hard as citron, very brittle and deliciously sweet. The skin is very light green, almost white, and its shape is round. It is highly satisfactory to those who want a winter variety.

Pkt., 10c; oz., 20c; 2 ozs., 30c; ¼ lb., 50c; lb., $1.60.

HALBERT HONEY

A variety somewhat similar to Kleckley Sweets—of much darker color. The vines are very prolific and usually bear four and five very uniform melons —quality the highest.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00.

ALABAMA SWEETS

A Southern favorite; there it grows to perfection, and is a grand shipper. It is oblong in shape, dark green skin, irregular striped, has bright red flesh of delicious flavor and sweetness. Our strain is especially fine; the seed is white.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 90c; 5 lbs., $4.00.

KLECKLEY SWEETS

This is a grand, old established variety of Vaughan's Special Watermelons. In its culture the greatest care is always taken by us to retain the excellent qualities for which it has become famous, and properly stands as the type of excellence for eating. It has no superior in any respect but for shipping. As a shipper it is poor, because the rind is thin and brittle. **Vaughan's Kleckley Sweets**—identical with "Monte Cristo"—is about 20 inches long, 10-12 inches through; has rich, dark green skin, and bright scarlet flesh, the ideal of watermelon quality. It is without cotton or stringiness and is absolutely delicious to eat, to the last bite. In the North it matures a few days later than "Cole's Early." Our seed has been grown from early ripening melons. For home and local market gardens,

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00; 5 lbs., $4.50.

SWEETHEART — Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

VAUGHAN'S BLACK DIAMOND. Very large, prolific, medium early, dark green skin, red flesh, blunt oval shape; fine shipper.

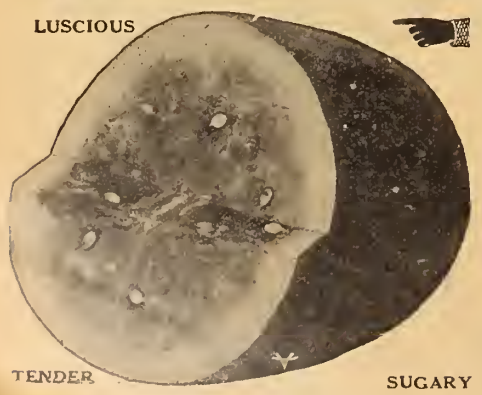
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

STANDARD VARIETIES

Any of the following—**Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

COLORADO CITRON—For preserves.
RED SEEDED CITRON—For preserves.
CUBAN QUEEN—Late, large, good.
EARLY FORDHOOK—Earliest shipper.
FLORIDA FAVORITE—Long, striped.
GREY MONARCH — Oblong, light green.
ICEBERG—Similar to Kolb's Gem.
ICE CREAM OR PEERLESS — Early, fine quality melon.
ICING, DARK — A very solid dark colored shipping sort.
IMPROVED KOLB'S GEM — A standard market shipping melon.
McIVER'S WONDERFUL SUGAR — Very sweet long melon.
MOUNTAIN SWEET—Oblong; thin rind.
PHINNEY'S IMPROVED—Early medium sized oblong melon.
RATTLESNAKE OR GYPSY STRIPED — Oblong, striped and mottled; very sweet; popular South.
THE DIXIE—Old standard second early; good shipping variety.
TRIUMPH—Very dark; large shipper.

LUSCIOUS



TENDER SUGARY

SPLENDID TOM WATSON SHIPPER

There's delicious sweetness in every bite, for its eating is as splendid as its **shipping quality.** The flesh is rich red, crisp and tenderly melting. The quality of this melon changed the market demand from the round to the long melons. It is 24 inches long, 12 inches through, dark mottled green rind, thin but strong — flesh can be eaten almost to the skin. A great money maker in all markets.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00; 5 lbs., $4.50.

STRONG RIND

TOM WATSON.

The U. S. Mail brings our store right to your door. Read inside front cover showing how we prepay to all zones for 5 cents extra.

The One-Man Vegetable Garden

FOR the war gardener, who first learned vegetable growing in obedience to the call of patriotism, the arrival of peace will not lessen interest in this spring's planting plans.

The savings possible over green grocers prices, the enjoyment of fresh vegetables of rare quality at their best, the tonic effect of exercise in healthful surroundings, these alone are sufficient reasons for giving gardening a permanent place in one's scheme of life.

But there is another which few men put in words. It is the magnetic attraction of the soil—the British call it "land-hunger."

This is the inheritance of the race, and no more dependent on the profits to be derived from its expression than is the love of music.

Artists tell us that we have the "feel" of balance. Though we may not know why, we are disturbed in a room where the furniture and decorations are not harmoniously arranged, but find repose where our surroundings satisfy the unconscious demand that things shall "balance."

We make the same demand of life itself and it is the common experience that gardening makes a vital contribution to that feeling of "balance" in our mode of life which is essential to contentment. Whether it pays or not, as stated in dollars and cents, it is worth while as an avocation which in addition to providing exercise, recreation and engrossing mental diversion, satisfies the elemental hunger of mankind for the soil.

Let the One Man Be Yourself

TO ONE who resolves to continue gardening for its own sake, we recommend the "one-man-vegetable-garden" as a method of extracting most of the good that gardening holds. And let the "one man" be yourself. Something is to be had from gardening by proxy, but the real joy of the art comes to the man with the wheel hoe.

In the illustration below is a diagram suggesting how to lay out a garden to provide the best assortment of vegetables suitable for home cultivation. To fit your purposes this diagram may require radical editing. As a first principle of successful peace-time gardening, we would lay down the rule that you should not attempt too much. For one who must devote a working day to other tasks, the garden must be a recreation, not a burden. It is a mistake to attempt so many varieties, that one neglects all, rather than to concentrate upon those which can be cared for adequately.

In making a selection two considerations should control: First, the taste of the gardener and his family, and second, the possibilities of the garden soil. To grow a favorite vegetable, even though experience has demonstrated that the soil in your garden is not suitable for best results with it, extra care and expense are warranted But in general, it is a mistake to persist in planting seeds which experience has shown do not have a fair chance to develop properly under the conditions with which you have to cope. The greatest advantage to be obtained from the home garden is in quality. No patron of the the green grocer can possibly know the gastronomic delights of those who eat Golden Bantam corn, within an hour from the time it was pulled from the stalk; or Laxtonian peas, picked just at the right stage of their development to obtain the maximum of tender sweetness.

Key to Planting Plan Illustrated Below Arranged to keep the land busy and make it produce intensively.

Row No.

1. Extra early peas, followed by red cabbage.
2. Cauliflower, interplanted with radishes, followed by late spinach.
3. Mid-season peas, followed by late beets.
4. Early spinach, followed by kale.
5. Wax beans, 1-2 row; green beans, 1-2 row, both followed by turnips.
6. Early beets, followed by kohlrabi, 1-4 row; cauliflower, 3-4 row.
7. Milan turnips followed by celeriac, 1-2 row; egg turnips followed by endive, 1-2 row.
8. Early carrots, 1-4 row; late carrots, 3-4 row.
9. Parsnips. 10. Salsify, 11. Onions from seed.
12. Peppers, 1-4 row; egg plant, 1-2 row; okra, 1-4 row; all interplanted with lettuce.
13. Tomatoes, interplanted with onion sets.
14. Swiss chard, 1-2 row; New Zealand spinach, 1-2 row.
15. Early cabbage, interplanted with early head lettuce, followed by late celery.
16. Cucumbers.
17. Four rows of sweet corn, in three plantings; arranged in squares to assist pollination.

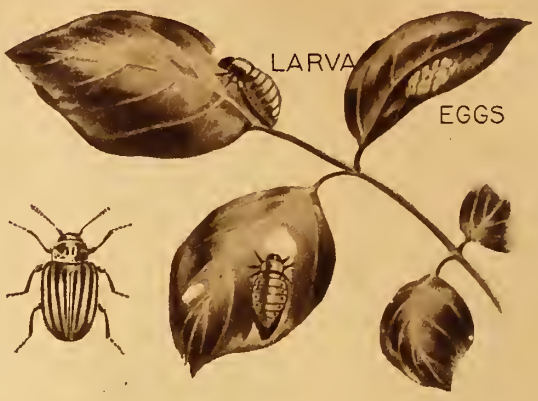
The Garden in Fall or Winter

IT IS a poor garden that does not have a crop of something in midsummer, but too many fail to plan beyond that, particularly for salads, and allow the ground to grow up in weeds after the hot weather begins to make the lettuce run to seed. If properly managed the fall salad crop will be the most delicious of the year.

Garden Insect Enemies

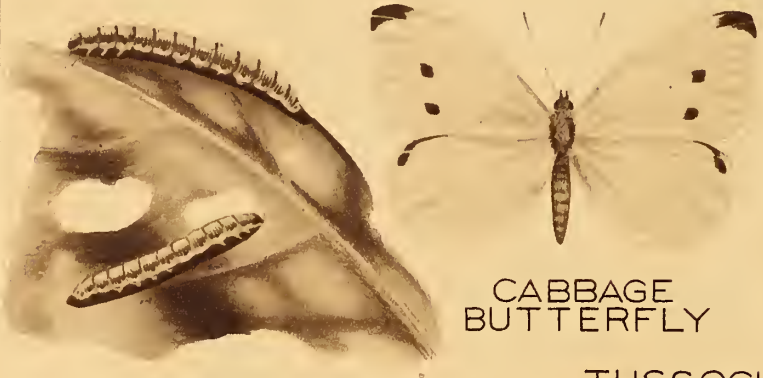
Descriptions and Remedies.

For prices of the Insecticides recommended for the common pests and Apparatus to apply them see Pages 126-7. this catalog.



POTATO BEETLE

POTATO BEETLE—These striped yellow and black beetles appear in numbers in early spring and as soon as young plants are up. They commence depositing eggs on the underside of leaves, meanwhile feeding upon the tender foliage. In about one week these hatch a horde of hungry larvae who destroy the foliage rapidly, attaining full size in from 2½ to 3 weeks. Remedies: Spraying or dusting with Calcium Arsenate, Arsenate of Lead, Pyrox, Paris Green.



CABBAGE BUTTERFLY

CABBAGE WORM

CABBAGE WORM — These green caterpillars hatch from eggs laid by the common white butterfly. There are several broods produced each season. The most effective means of control is by spraying or dusting with Arsenate of Lead, Calcium Arsenate, Kerosene Emulsion, Pyrox, Hellebore, Hammond's Slug Shot.

TUSSOCK MOTH—A handsome red-headed yellow and black tufted caterpillar, about one inch long, which devours the foliage of both shade and fruit trees, sometimes eating into fruit. To control this pest, the cotton-like egg masses should be collected in both fall and winter, and trees banded with **Tree** Tanglefoot. Spray often with Arsenate of Lead, taking care to cover underside of foliage thoroughly.

TUSSOCK MOTH

TUSSOCK-MOTH CATERPILLAR

TOMATO WORM

TOMATO WORM—The moths appear in May or June and deposit the eggs singly upon the lower surface of the leaves from which the caterpillars hatch in 4 to 8 days. As they feed voraciously they become full grown in 3 weeks' time. There are sometimes two broods in a season. The most successful remedies are Pyrox, Calcium Arsenate, Arsenate of Lead.

CUCUMBER BEETLE

NATURAL SIZE ¼ INCH

CUCUMBER BEETLE — These striped black and yellow beetles appear in great numbers and attack the young plants as soon as up. Protect the vines with screens until they begin to run. Spray or dust with Bordeaux Mixture, Arsenate of Lead, Hammond's Slug Shot, Tobacco Dust, Pyrox, covering underside of foliage.

PLANT-LOUSE [APHID]

APHIDES—Plant Lice, Green Fly, Bark Lice, etc., are minute insects feeding upon the sap in the tender parts of plants, both indoor and out. Can be successfully destroyed by the use of the following contact remedies: Black Leaf 40, Nikoteen, Aphine, Kerosene Emulsion, Lemon Oil, Nicofume, Tobacco Soap. Contact remedies are effective only when the poison touches the insect. Be sure to cover the under side of the leaves.

CARL F. GRONEMANN

PLANT VAUGHAN'S

Mushroom Spawn

PLANT VAUGHAN'S

MUSHROOMS RAISED FROM VAUGHAN'S SPAWN YIELD BIG PROFITS

The cultivation of a Mushroom-bed is a highly profitable enterprise; the demand for FIRST QUALITY MUSHROOMS is great and growing. Hotels and high-class restaurants use enormous quantities; and in the homes of the well-to-do, the use of this dainty, table delicacy has marked such increase in recent years that mushrooms are a regularly ordered article from the green grocer or fancy grocery. In the basement or any watertight shed or outbuilding, where the temperature in cold months can be maintained at 55 to 65 degrees Fahrenheit, mushrooms will grow and flourish, and produce profitable and highly satisfactory results. We furnish free of charge a leaflet "How to Grow Mushrooms," when requested, with orders for mushroom spawn. We supply the largest commercial growers in the U. S. with spawn. Vaughan's Seed Store is headquarters in the United States for live, highest quality Mushroom Spawn.

PURE CULTURE SPAWN

Lambert's New Process Spore Culture Spawn (Novelty.)

In this new Spore Culture spawn which has been developed in France and is now produced in America a more vigorous and a more prolific spawn is claimed. Not only that but types have been more definitely fixed and absolute uniformity secured. Every element of uncertainty has been eliminated; the old varieties have been improved and, because of the fact that the mushrooms are derived from the spores direct, without dilution or transfer, greater vigor and productiveness is assured.

We offer same kinds and numbers as of the **"Pure Culture Tissue"** Spawn quoted below.

Price—Brick (weight 1¼ lbs.) 35c; 5 bricks, $1.50; 10 bricks, $2.75; 25 bricks, $5.50; 100 bricks, $20.00.

Make bed in basement or any outbuilding. Maintain temperature 55 to 65 degrees Fahrenheit. You will require a spray pump for your mushroom bed. We have them in all styles from the simple inexpensive hand pumps to the more elaborate tank, bucket and barrel sprayers. See implement pages.

PURE CULTURE SPAWN

LAMBERT'S "PURE CULTURE TISSUE" MUSHROOM SPAWN

Made from mushrooms grown under cultivation; absolutely fresh, of quicker and stronger growth than imported spawn. Our manufacturers in this country keep us supplied with regular monthly shipments to meet the extensive business we have developed in this line—the result is our patrons secure the best, **quickest** and **livest** spawn on the market. The varieties we carry are white **cream-white** and **brown.**

Price—Direct Bricks, inoculated direct from Pure Culture Tissue. Brick, (weight, 1½ lbs.,) 30c; 5 bricks, 31.00; 10 bricks, $2.50; 25 bricks, $4.75; 100 bricks, $18.00.

No. 7. Brown (Bohemian) a good producer of heavy mushrooms.

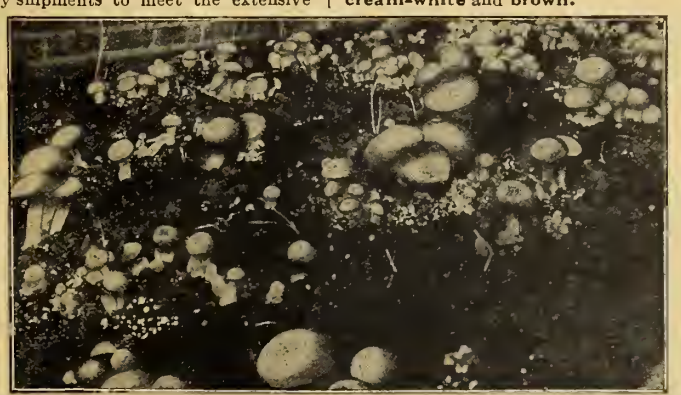
No. 8. Cream white, a mammoth strain.

No. 9. White (Alaska) Popular market variety.

Please order by number.

Write us for special prices on case lots, also for mushroom grower's supplies. Booklet on raising mushrooms sent postpaid for 35c, or free with order to value $2.50.

The Mushroom Spawn you sent some time ago is coming fine.
D. NORD, Moscow, Idaho.



THE PRODUCT OF LAMBERT'S NEW PROCESS "SPORE CULTURE" SPAWN.

ENGLISH MUSHROOM SPAWN

Our English Mushroom Spawn manufacturer is the oldest established and most extensive grower in the world. The superiority of this over all other importations is well known by experienced mushroom growers. We are the largest importers in the U. S., receiving 8 to 12 shipments annually; this spawn is carefully made from perfectly grown specimens. It comes in the form of pressed bricks.

Prices, (weight per brick, 1¼ lbs.), brick, 25c; 2 bricks, 40c; 8 bricks, $1.40; 25 lbs., $3.25; 100 lbs., $12.00; if shipped from New York, per 100 lbs., $11.50.

Special prices on ½ ton lots and upward.

Tall or Perkins' Mammoth

OKRA

OKRA, OR GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

WHITE VELVET. Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or square-holed. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

DWARF. Grows low but stocky and is very productive. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

TALL OR PERKINS' MAMMOTH. The long pods measuring 4 and 5 inches are produced in great quantities. Handsome, green color and best quality. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

Please name second choice in case the variety ordered is sold out, or say if we may substitute any other similar sort.

MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and borne abundantly. They should be gathered when less than half grown. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

For culture see "Vaughan's Vegetable Garden," mailed free with $1 order for Garden Seeds in packets or ounces.

MUSTARD

Leaves useful as salad or boiled like Spinach.

CHINESE OR GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like Spinach. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

IMPROVED OSTRICH PLUME. The handsomest of the Mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

WHITE, Best for general use. **BROWN,** Stronger than above. **Pkt.; 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

PLANT THE BEST

Beware of Onion seed of slow sprouting vitality. Sow Vaughan's tested seed.

VAUGHAN'S ONIONS

TRUE TYPE BEAUTIFUL YELLOW SKIN

Large or Winter Onions are advancing in price as our catalog goes to press, and good keeping stock is showing nice profits to the storage man.

It has been demonstrated time and time again that our Eastern (Illinois grown) Onion seed grown from carefully selected bulbs, actually wintered over in storage for seed purposes, produces better keeping Onions than seed raised from California bulbs planted out late in the fall in the mild climate of the Pacific Coast.

Herein lies the secret of big profits in the Onion growing and storage industry. There has been a good Western seed crop this year, but due to light acreage, dry weather and thrips (aphis), a small Eastern one. We have a fair supply of our fancy Eastern-grown seed in all colors, yellow, red and white, which we are offering at very reasonable prices. Order early so you won't be disappointed. Ask us for "Quantity" prices.

VAUGHAN'S SPECIAL YELLOW GLOBE

WE STAKE OUR REPUTATION ON THIS ONE

An early Yellow Globe introduced by us into the Chicago section recently, Slightly smaller than Southport. It produces a fine market onion. In some places early aphis did no damage to this onion last year but ruined the later crop.

Pkt., **10c**; oz., **20c**; 2 oz., **35c**; ¼ lb. **60c**; lb. **$2.00.**

APPLE-SHAPED RED GLOBE

Eastern Grown Seed. Rounder than Southport Red Globe. Very small neck; sound and solid. Color Dark red.

Pkt., **10c**; oz., **25c**; ¼ **lb., 75c**; **lb., $2.50.**

SOUTHPORT YELLOW GLOBE

The Vaughan strain of this onion is the most uniform on the market today. It is ball shaped and not so elongated as to make any undersized specimens seem like picklers. Our eastern seed bulbs are hand sorted by ourselves and the seed grown under our direct supervision. The ideal heavy yielding, long keeping Golden Yellow market onion.

Eastern Grown Seed. Pkt., **10c**; oz., **20c**; ¼ lb., **65c**; lb., **$2.25**; 5 lbs., **$11.00**; 10 lbs., **$21.00.**

California Grown Seed. Pkt., **10c**; oz., **20c**; ¼ lb., **50c**; lb., **$1.75**; 5 lbs., **$8.25**; 10 lbs., **$16.00.**

OHIO RED GLOBE

An onion with fine uniform Red Color. Shape resembles Ohio Yellow Globe. The seed is grown for us by the originator of this strain, an experienced onion grower in Lake County, Ohio. Pkt., **10c**; oz., **25c**; ¼ lb., **75c**; lb., **$2.50**; 5 lbs., **$12.00**; 10 lbs., **$23.00.**

SOUTHPORT RED GLOBE

In shape this onion is similar to our Southport Yellow Globe but a little deeper. The color is a rich dark red showing its years of Eastern breeding. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder.

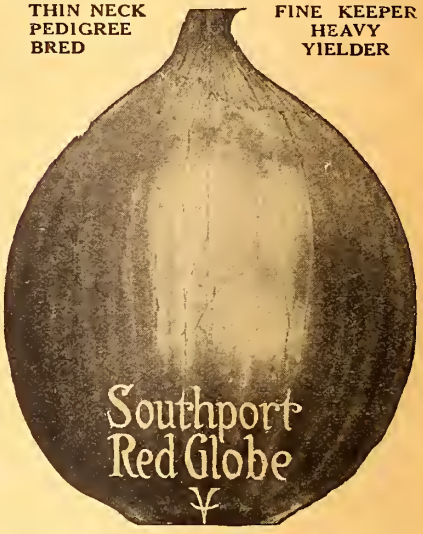
Eastern Grown Seed. Pkt., **10c**; oz., **25c**; ¼ lb. **75c**; lb., **$2.50**; 5 lbs., **$12.00**; 10 lbs., **$23.00**

ONION, IDEAL YELLOW GLOBE

A "bottle necked" type of Yellow Globe Onion selected along the lines of the European Pear-shaped Onions. This type is much admired by many onion growers, and under favorable conditions produces the finest appearing bulbs of any market onion. Pkt., **10c**; oz., **25c**; ¼ lb., **80c**; lb., **$2.75.**

THIN NECK PEDIGREE BRED

FINE KEEPER HEAVY YIELDER



SOUTHPORT RED GLOBE (California Seed). Pkt., **10c**; oz., **20c**; ¼ lb., **60c**; lb., **$2.00**; 5 lbs., **$9.50**; 10 lbs., **$18.50.**

AILSA CRAIG

A SURE PRIZE WINNER

For Early Green Onions, plant Onion Sets. See page 36.

LARGE POPULAR

AILSA CRAIG—Vaughan's Selected Stock

A winning sort, gaining in popularity every season, because it makes money for the growers. This onion has individual merit by which it has secured, and retains, recognition. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thin neck which tells of its bred-in fine quality; it is, for a large onion, a **splendid keeper**; for **eating raw** it has no superior, it is mildly pungent in flavor, sweet and desirable. Pkt., **15c**; oz., **50c**; ¼ lb., **$1.50**; lb., **$5.00.**

PRIZETAKER—American Grown

Amongst large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become finely acclimated through many years of very careful, painstaking culture. Prizetaker is a **yellow globe** that matures to great size under right conditions; it requires a **long season** and should be **started early in hot bed.** When properly ripened it is a good keeper. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50; 5 lbs., $12.00; 10 lbs., $23.00**

To attain largest size, plant in early spring in hot bed, later transplant to open ground.

This applies to all large onions.

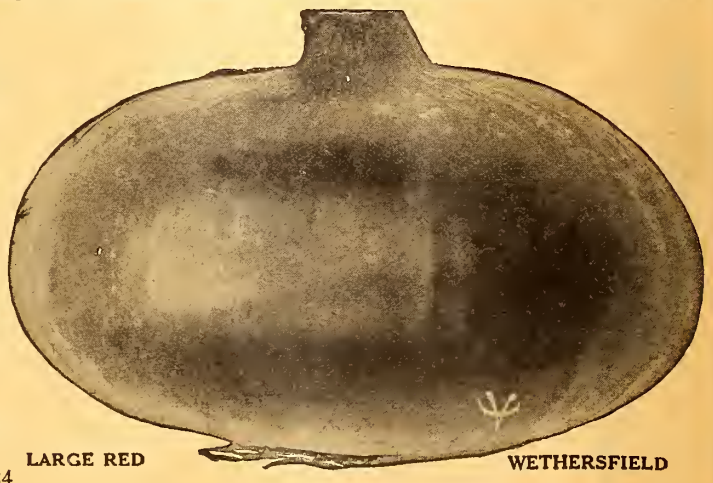
LARGE RED WETHERSFIELD

An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Our seed is carefully selected California grown—none better.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00; 5 lbs., $9.50; 10 lbs., $18.00.

ONION, GIANT GIBRALTAR

A variety similar to Prizetaker. We offer American-grown seed raised from bulbs produced from European seed. The strains runs slightly larger in size than the usual run of Prizetaker. **Pkt., 10c; oz., 25c, ¼ lb., 85c; lb., $3.00.**



LARGE RED WETHERSFIELD

PEDIGREED SEED

No seed of unsatisfactory germination is sold by us. We test each lot and each bag. Sow Vaughan's Eastern Grown Onion Seed.

PLANT THE BEST

The growing and storing of the Globe or market varieties of Onions interests thousands of our customers, and to this type we have given special attention, resulting in the best that can be produced. Vaughan's "Ideal" type is almost globe shaped, not elongated, (see illustration). The strain which we use has been selected by the same growers for more than 20 years and is, in our opinion, the best fixed White Globe Onion. We offer this same type of Southport Yellow Globe grown in California at a lower price than Eastern seed. Our Ohio Yellow Globe Onion is grown in Lake County, Ohio. This is a flat-bottomed, high-necked type, specially suited to muck soils. Our Fancy Yellow Globe Danvers is a slightly flatter onion than the Ohio Yellow Globe; Globe Danvers still flatter and Yellow Danvers and Strasburg really flat.

In handling our Eastern seed, different colors are sown ½ mile apart, and stored in different houses after harvest.

CRYSTAL-LIKE SKIN

GLOBE OF FINEST QUALITY

VAUGHAN'S IDEAL WHITE GLOBE

A strikingly handsome onion; expert market growers recommend it in the highest terms. This is a very early type, it ripens evenly and is a fine **keeper;** the small, high-bred neck tells the story of quality; it is a true globe, pure white **Vaughan high merit onion.** Market growers have been our constant, satisfied customers, for this onion for many years;

Eastern grown seed: Pkt., 15c; ½ oz., 20c; oz., 35c; 2 ozs., 70c; ¼ lb., $1.25; lb., $4.00; 5 lbs., $19.25.

California grown seed: Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50; 5 lbs., $12.00; 10 lbs., $23.00.

OHIO YELLOW GLOBE

VAUGHAN'S SPECIAL

Another of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers. **Eastern Grown Seed. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.25.**

California Grown Seed. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.75; 5 lbs., $8.25.

AUSTRALIAN BROWN GLOBE. Large light brown skin and an average bulb 3 in. in diam.; weighs about 7 oz. Perfect globe-shape, quick to mature, ripens evenly on all soils; thin neck, long keeper, solid flesh, grand shipper. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00; 5 lbs., $9.50; 10 lbs., $18.50.**

OHIO YELLOW GLOBE

VAUGHAN'S SPECIAL

VARIETIES

Your Onion Seed has proved to be great in coming up—**three weeks**—and are now ready to work.
T. J. MARTIN, Denham, Ind.

FANCY YELLOW GLOBE DANVERS

Buy Early—Plant Early. Use Nitrate of Soda for Onions; it gives young plants needed food. See page 125.

VAUGHAN'S SPECIAL

FANCY YELLOW GLOBE DANVERS

This onion is a standard amongst the large types; it is **early,** almost true globe shape, beautiful **yellow skin, pure white flesh,** of very **fine quality.** It has a good size, and a fine thin neck. Vaughan's strain is so near to **globe shape** that it passes for globe on the market, and being **several weeks earlier** than Southport Globe, it sells for the **higher early market prices.** The crop ripens uniformly at one time, and its keeping quality is excellent.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.75; 5 lbs., $8.25; 10 lbs., $16.00.

YELLOW FLAT DANVERS

A standard Onion with many splendid qualities; a valuable general crop sort. It is of medium size, quite thick through but flattened, has coppery yellow skin, and creamy white flesh which is mild and of pleasant flavor. It combines a large yield with very even ripening quality.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50; 5 lbs., $7.00; 10 lbs., $13.50.

For home or market gardens it is equally popular and standard.

YELLOW FLAT DANVERS

YELLOW GLOBE DANVERS. Same as Fancy Y. G. Danvers, except that it does not run as globe shaped, but color, ripening and keeping are identical. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.60; 5 lbs., $7.59; 10 lbs., $14.50.**

MAMMOTH SILVER KING. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape: flat, but thick. Skin is clear silvery white, flesh snowy white tender, sweet and mild. Ideal for exhibition, fancy market or table. **Pkt. 10c; oz., 35c; ¼ lb., $1.15; lb., $4.00.**

CRYSTAL WHITE WAX. This is a pure white flat onion, very popular in the south, especially in Texas. We have also found it well suited to the North, in our trials of this strain. Teneriffe seed. **Pkt., 10c; oz., 35c; ¼ lb., $1.10; lb., $3.75.**

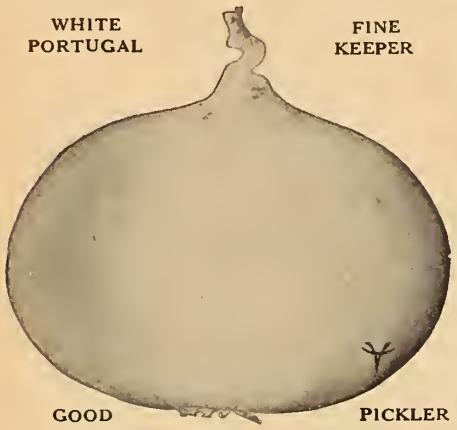
WHITE and RED BERMUDA. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Our imported Teneriffe seed gives best results. **Price, Either, Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

If you and your neighbors use a large quantity of Onion Seed let us quote you special "Quantity Prices" with our samples and test marks, as early as you can.

PLANT THE BEST

Vaughan's Onions

PLANT THE BEST



WHITE PORTUGAL OR SILVERSKIN

This beautiful white onion is a splendid sort for growing **white onion sets, pickles** and for **early bunching green onions;** for any one or all of these purposes it is extensively planted by growers who produce the varieties named as **large white onions** for **fall** and **early winter** use. **Vaughan's White Portugal or Silverskin** is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is **best** of the white onions for keeping.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.25.
By express—5 lbs., $10.75; 10 lbs., $21.00.

STRASBURG OR YELLOW DUTCH

Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown and has no superior.

Pkt. 5c;oz., 15c; ¼ lb., 45c; lb., $1.50.
By express—5 lbs., $7.00; 10 lbs., $13.50.

EARLY WHITE WELSH ONION

The best kind for green onions, forms no bulb. Plants can be propagated from seeds or divisions,

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.25.

BROWN AUSTRALIAN (Flat)

A very desirable onion of medium size, with amber brown skin and solid white flesh,. It is **early,** a **heavy yielder,** and a **long keeper;** keeps well in warm climates.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.
By express—5 lbs., $6.50; 10 lbs., $12.50.

EXTRA EARLY FLAT RED

One of the **handsomest red onions,** and first to ripen; grown from Vaughan's carefully grown seed will ripen two weeks earlier than other strains.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.
By express—5 lbs., $9.50; 10 lbs., $12.50.

EARLY YELLOW CRACKER

The earliest of the yellow flat varieties. It is of exeellent flavor, and good keeper. Fine for sets.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.50.

OHIO GROWN FLAT YELLOW

A very hard long-keeping onion, especially bred for growing sets.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.50.

CHIVES. See page 52 (under Herbs) for seed; clumps on page 94.

We have made a specialty of high grade, pure-type onion seed for many years. If you require a large quantity write for special prices before ordering elsewhere.

The Onion Seeds and Sets were sure fine and I hope to do business with you next season.
KARL W. GREIFE, Pittsfield, Ill.

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for **green onions.**

Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white skinned.

Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

WHITE BARLETTA. Beautiful waxy-white.

Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

I had exceptional success this past season with your Ailsa Craig Onion Seed. The Onions when harvested far excelled in sweetness and tenderness any onions I have ever grown.
IDA D. BENNETT, Coldwater, Mich.

GREEN ONIONS FROM SETS will be your first Garden Crop 30,000 packets sold by us in New York and Chicago in one spring.

ONION SETS

Illustration shows fair samples of our RED, WHITE and YELLOW SETS, the inset bulbs showing about natural size of "Hazel" Sets.

WHITE BOTTOMS

Pint, 20c; quart, 35c; ½ pk., 85c; peck, $1.40; bushel, $5.00.

YELLOW BOTTOMS

Pint, 15c; quart, 30c; ½ peck, 80c; peck, $1.30; bushel, $4.25.

RED BOTTOMS

Pint, 20c; quart, 30c; ½ peck, 80c; peck, $1.35; bushel, $4.50.

SPECIAL OFFER No. OS1—1 pint each, 3 colors, 50c; 1 quart each, 3 colors, 80c. (Postage extra).

EGYPTIAN OR RED PERENNIALS

These we sell largely in the Fall. Planted then they produce very early green onions. **Pint, 20c; qt., 30c; ½ pk., 80c; pk., $1.35; bu,, $4.50.**

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For farther zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

☞Please Read This Page Carefully.

We grow, grade and store in special warehouse the best quality possible. Orders are filled with dry, unsprouted sets. Our warehouse has 50,000 bushels capacity. Day and night men protect against weather changes. Onion Sets produce ripe onions much quicker than does Onion Seed, enabling the planter to secure the highest market prices for his early onions and to raise a second crop.

VAUGHAN'S HAZEL SIZE ONION SETS

These are especially screened and carefully selected and run about ⅝ inch in diameter.

Price, Hazel Size, White, Red or Yellow.
Pint, 25c; qt., 45c; larger quantities at qt. prices.

WHITE MULTIPLIERS

For **First Early Spring Bunching** Onions. They are **pure silvery-white,** which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. They are ready for table earlier than any other. **Pint, 25c; quart, 40c; ½ peck, 90c; peck, $1.60; bushel, $6.00.**

SHALLOTS OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. **Pt., 20c; qt., 30c; ½ pk., 80c; pk., $1.35; bushel, $4.50.**

RED SUMMER TOP SETS. These are planted to produce both early "Green Onions" and large eating onions. **Pint, 25c; quart, 40c; ½ peck, $1.00; peck, $1.75; bushel, $6.50.**

YELLOW POTATO. They produce large, dry ripe onions, earlier than any other kind. **Pt., 20c; qt., 35c; ½ pk., 90c; pk., $1.50; bushel, $5.50.**

All Onion sets offered by us are sold on a basis of 32 lbs. to the bushel except Summer Tops and Egyptian which weigh 28 lbs.

PLANT THE BEST

PEERLESS PEPPERS

PLANT THE BEST

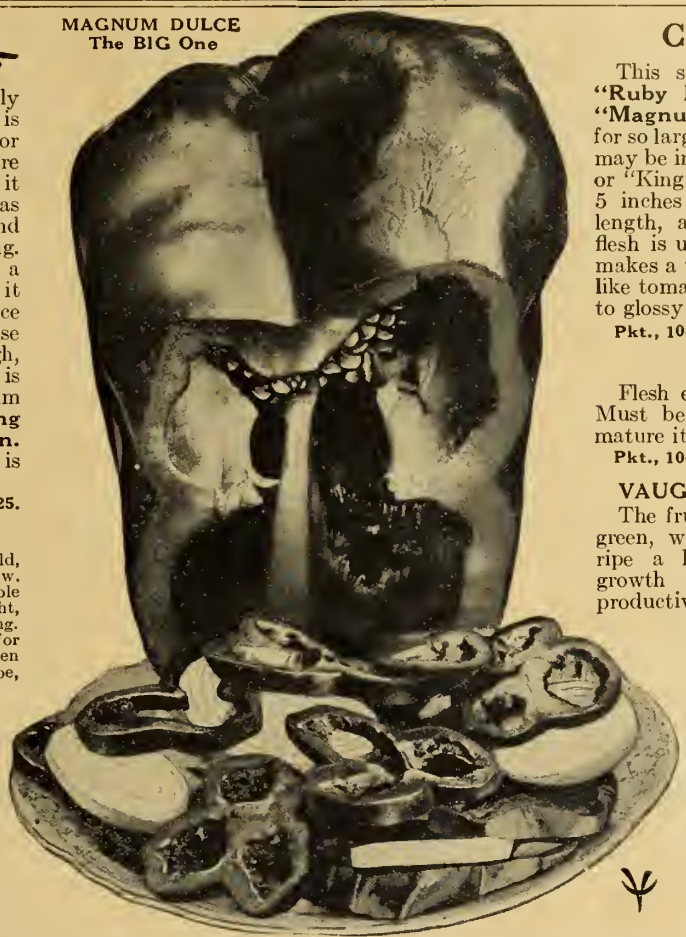
VAUGHAN'S GIANT

MAGNUM DULCE

This grand pepper has appropriately been styled the "Salad King." But it is not in salad form alone that it excels, for there are other forms in which to prepare it. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. Vaughan's Magnum Dulce Sweet Pepper can be grown to immense size, 7 inches long and 4 inches through, but when grown so large the yield is small. To get a larger yield of medium sized peppers, pinch off the **"king flowers,"** the **first** ones to **open.** Vaughan's Seed of Magnum Dulce is saved from picked specimens.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

MAGNUM DULCE
The BIG One



NEW SWEET UPRIGHT SALAD

Is an **early, prolific,** good sized, sweet, mild, pepper; so mild indeed that it may be eaten raw. In the **northern states** it is a most desirable sort; in habit the bushes are of medium height, and bear the peppers **upright,** not drooping. The size being medium they are just right for stuffing and frying: the bright glossy green color, which turns to a waxen red when ripe, makes this a very attractive pepper.
Buy Vaughan's Seed—the best.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

CRIMSON GIANT, Early Pepper

An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild.

Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00.

NEAPOLITAN

A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruit is of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.60.

We have used your seeds for the past seventeen years and find them excelled by none, and although we are quite a distance from you, we prefer to wait a few days and know we have A No. 1 seeds to plant.
FRANK H. TYLER, Mounds, Okla.

CHINESE GIANT

This standard variety is larger than **"Ruby King,"** but not so large as **"Magnum Dulce."**. It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "King blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

PIMENTO

Flesh extremely thick and very mild. Must be started early in the north to mature its fruits fully.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.40.

VAUGHAN'S SWEET MOUNTAIN

The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh, though sharper than "Upright Sweet Salad," is very **mild** and **thick.** The peppers often grow 6x4 inches.

Pkt., 10c; oz., 50c; ¼ lb., $1.50.

RUBY KING

One of the most popular varieties growing 4½ to 6 in. long, 3½ to 4 in. thick. The peppers are a bright ruby red and are among the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender.

Pkt., 10c; oz., 55c; ¼ lb., $1.75.

OTHER PEPPER SORTS

BULL NOSE. Sweet Mountain.
CAYENNE. Long red; very hot.
CAYENNE PICKLING. Dwarf; upright.
CELESTIAL. Ornamental.
ELEPHANT'S TRUNK. Long, scarlet.
MAMMOTH GOLDEN QUEEN.
GOLDEN DAWN. Mild yellow.
RED CHILI. Good hot pickling.
RED CLUSTER. Small and pungent.
RED CHERRY. Fruit small; good pickler
SWEET SPANISH MONSTROUS.
TABASCO. Hottest of all.

Price of the above: Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.60.

Plant 1 oz. to 25 hills, 4 pounds to the acre (alone), **or 2 pounds** (with corn).

VAUGHAN'S PUMPKINS

In a small garden plant pumpkins along a low fence which vines will climb on.

VAUGHAN'S SUGAR PIE PUMPKIN

Is so well known as the **best pie pumpkin** it requires little description. The fruit is small to medium size, with solid fine grained flesh, and such a sweet, sugary, delicious flavor they all call for **"more"**; the seed cavity is small.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35.

VAUGHAN'S MAMMOTH PRIZE. A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

CALHOUN. Medium size, solid and of excellent quality. Skin cream; flesh, salmon yellow. A fine pie variety. **Pkt., 10c; oz., 30c.**

WINTER QUEEN OR WINTER LUXURY. Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russetty as a potato.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.50.

SMALL SUGAR. Flat sort, good for the home garden.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35.

LARGE CHEESE

Of large size, shape flat like a cheese box, very productive. Keeping quality excellent, extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruit averages fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange—yellow flesh.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

VAUGHAN'S SUGAR PIE PUMPKIN

OTHER DESIRABLE KINDS

	Pkt.	oz.	2 oz.	¼ lb.	lb.
JAPANESE PIE. Finest quality, good keeper	.10	.20	.35	.50	1.75
GOLDEN OBLONG. Orange color. Flesh yellow, excellent flavor	.05	.15	.25	.45	1.50
SWEET POTATO. Bell shaped. White flesh. Used for pies	.10	.20	.35	.50	1.60
LARGE TOURS OR MAMMOTH FRENCH. Very large size	.10	.20	.35	.50	1.75
QUAKER PIE. Pear shaped. Rich flavor and good keeper	.10	.20	.35	.50	1.75
CUSHAW WHITE OR CUSHAW STRIPED. Popular southern sorts; fine flavor. Either one	.10	.20	.35	.50	1.75

PLANT THE BEST

We are now offering Peas by the pound, instead of dry measure. 1 lb. is a little more than 1 pint. 2 lbs., are a little more than 1 quart. Write for prices on larger than 10 lb. lots.

VAUGHAN'S

LITTLE MARVEL

The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point **in its favor** is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled.

Pkt., 10c; lb., 50c; 2 lbs., $1.00; 10 lbs., $4.50.

NOTT'S EXCELSIOR

Almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the **home garden.**

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

PIONEER—"Giant Podded Dwarf"

About the same general usefulness as Laxtonian. In some sections this pea has done better than Laxtonian, while in others Laxtonian is in greater favor—pods as large as Gradus; almost if not quite as early. The peas are large and of superb flavor.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

Vaughan's New Pea, TOP O' THE MORN

This is one of the best of the new Dwarf Giant Podded Peas. The vines are of a deep green color, growing 18 inches in height. The pods are blunt-ended, like Nott's Excelsior or Little Marvel, and are produced in clusters all up the haulm.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

SUTTON'S EXCELSIOR IMPROVED

Is a **very fine** first **early dwarf pea,** regarded by some as the **best** of the **wrinkled** sorts. It is **very hardy;** can be **planted early;** vines are 18 inches high, **very prolific;** pods are almost square at lower end, **larger** and **broader** than the usual dwarf pea, and dark green color.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

LITTLE MARVEL

EARLY AND MAIN

NEW PEA, LAXTONIAN

The New Dwarf Gradus

This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, tall, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf in a class almost by itself, for size, appearance and productiveness.

Pkt., 10c; lb., 50c; 2 lbs., $1.00; 10 lbs., $4.25.

AMERICAN WONDER

Is an **extra early** dwarf **wrinkled** pea, of standard quality. The **vines** are **dwarfer** than Nott's Excelsior, being only **10 to 12 inches** high. Pods are firm and and well filled with peas of splendid quality.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

EXTRA EARLY PREMIUM GEM OR LITTLE GEM

An **early dwarfed wrinkled pea,** not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

LAXTON'S SUPERB PEA

This is a semi-wrinkled, **extra early** dwarf pea; permits early planting as it does not rot in the ground as fully wrinkled peas do. The pods are very large and borne in profusion.

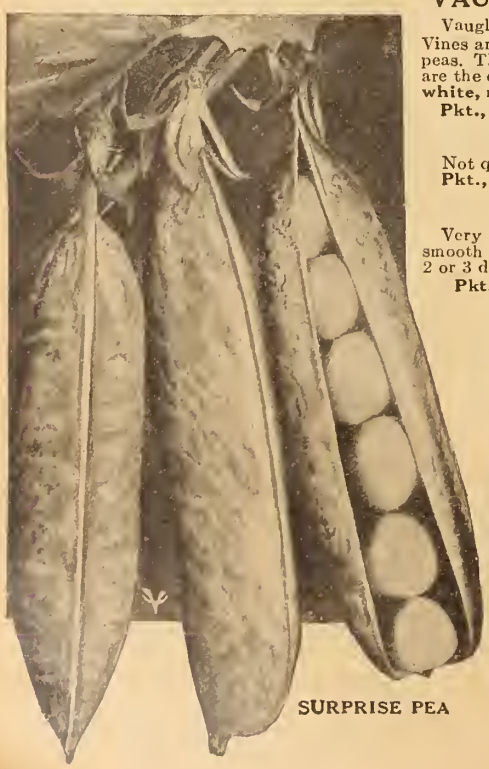
Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

For several seasons past we have grown Vaughan's Improved Telephone Peas, but never had such a crop as they produced this year. R. BAILY CARSON, Peoria, Ill.

NORTHERN GROWN

EXTRA EARLY

SURPRISE—Pea of Quality



SURPRISE PEA

VAUGHAN'S SELECT EXTRA EARLY MAUD S

Vaughan's strain of this excellent sort should be planted by every grower. Vines are 20 to 26 inches high, pods 2½ to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor, and tenderness of **Vaughan's Maud S** are the qualities for which our strain is known by growers and consumers. Seed **white, round** and **smooth; crop ripens evenly** and extra early.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

FIRST AND BEST

Not quite as early as Maude S, a trifle larger and a heavier yielder.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

THE AMEER

Very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.

MARKET SURPRISE—A New Extra Early Pea

A new, smooth seeded, extra early, growing about 30 inches high and bearing its large pods, filled with peas of remarkably fine quality, in great abundance. It is a sturdy grower, with pods larger than Ameer, filled with wonderfully sweet, fine flavored peas.

Pkt., 10c; lb., 40c; 2 lbs. 75c; 10 lbs., $3.00.

ALASKA—Called EARLIEST OF ALL

In season same as **"Maud S." Alaska** and **"Maud S"** are in all but color the **same; Alaska seed** is **bluish in color;** it is standard for **market** and **canning.** Vaughan's **strain is true,** always **reliable** and gives best results. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

SURPRISE—The Earliest Pea of Quality

In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S, because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.

ALASKA or EARLIEST OF ALL

Read inside front cover showing what we prepay.

DWARF PEAS

Peas are very short crop this year and while we expect to have enough to go around, it is well to order early.

PLANT THE BEST

CROP VARIETIES—BRUSH NOT NEEDED

HEROINE

VAUGHAN'S DWARF DEFIANCE

Pea growers cannot afford to overlook this splendid **main crop success;** it is without a superior, **a grand second early.** The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

HEROINE

A main crop semi-dwarf that is extremely prolific; vines 30 inches, high with luxuriant foliage. Long, pointed, slightly curved pods, filled with sweet, luscious, peas.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50; Larger quantities at 10 lb., rate.

McLEAN'S ADVANCER. Is a favorite with market growers and canners who consider it the **best producer of mid-early sorts.** McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

DWARF TELEPHONE OR DAISY. A **mid-season maturing** sort of **merit;** vines are dwarf and **bear large, bright green pods,** each contains 7 to 9 peas of finest quality. This is a **splendid variety,** of which we offer a high-class **re-selected stock.**

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

HORSFORD'S MARKET GARDEN. Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods are well filled with peas of fine quality.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

JUNO OR DWARF CHAMPION. Main crop dwarf **wrinkled** pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 9 peas of very best quality.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

VAUGHAN'S SWEET MARKET. An excellent main crop pea. Its season follows right after the Extra Earlies and continues to bear much longer than most varieties. Very prolific and of fine quality. 2½ feet, strong vigorous vines, many bearing 50 pods. Pods 3½ inches long, filled with 7 to 9 peas.

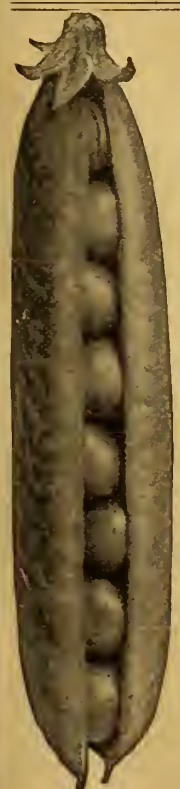
Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.50.

DWARF DEFIANCE

Plant Dwarf Peas in the home garden. They have many advantages over the tall sorts. They require no supports, may be planted closer, one foot between the rows, and bear as abundantly. See varieties listed on upper portion of page 38.

TALL SORTS BEAR BEST WHEN BRUSHED

GRADUS PEA



THOMAS LAXTON

GRADUS—VAUGHAN'S RE-SELECTED STOCK

Gradus is the **greatest of the wrinkled peas;** it is large and in flavor equal to the best wrinkled kinds. A table luxury and delight which retains its color and fine appearance after being cooked. It is the most popular of all the extra early wrinkled peas. It is tender and should be planted in the warmest spot in the garden; it matures fully two or three days later than the hard round extra early sorts Vines 30 inches, pods 4 inches long, beautiful green color, with 10 or more rich, tender peas in each.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $4.00.

NEW PEA, MARCHIONESS

A valuable addition to the tall early varieties. It may be briefly described as an Extra Early Gradus. The pods are of equal size to Gradus and the season several days earlier. Quality superlative. Plant this and be the first on the market with a good sized quality pea.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

THOMAS LAXTON

This is a selection of Gradus; the season is identical with Gradus, but the **pods** are **square** at the **end** and **deeper green.** Vines are 3 to 3½ feet high. The main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for home garden. A better yielder than Gradus.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

VAUGHAN'S LATE GRADUS

This is a **special Gradus Pea, bred to fill a special place and time.** It comes in between the last of the Gradus and the first of the Telephone. It possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. It is a most important introduction for market gardeners.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

THREE DWARF PEAS, RIPENING IN SUCCESSION

At the special prices given below (except No. 1) buyer pays express charges.

Little Marvel (First). **Dwarf Defiance** (Second). **Heroine** (Third).

No. 1. 1 pkt. of each 25c (prepaid) . . . **No. 3.** 2 lbs. of each (6 lbs.) $2.25
No. 2. 1 lb. of each (3 lbs.) . . . . . $1.25 **No. 4.** 10 lbs. of each (30 lbs.) . 10.00

Inoculate your seed peas with "Nitragin"—nitrogen-gathering bacteria. See page 57.

PLANT THE BEST

Plant the Dwarf Sorts in the home garden; they yield abundantly, require no support and can be planted more closely.

See upper portion page 38.

VAUGHAN'S

VAUGHAN'S IMPROVED TELEPHONE

Of the tall growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. In the home garden its value is attested by heavy yielding and excellent quality.

Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. The fine, rich, dark green color of the pods gives them the highest market value. The crop maturing evenly makes only a few pickings necessary, and ensures the gardener a good profit.

Vaughan's Improved Telephone pea grows 4 feet high; it is a main crop variety, and a heavy yielder.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

CHAMPION OF ENGLAND

This is a late season tall pea, and as such has long been a recognized standard for best quality, big crop, good sized pods filled with peas of superb flavor. The vines grow about 5 feet high are very vigorous and productive. **Pkt., 10c; lb., 50c; 2 lbs., 95c; 10 lbs., $4.00.**

Three tall growing sorts to be planted at the same time to mature successively.		Postpaid by Mail	By Express at Buyer's Expense
GRADUS	1 pkt., each	$0.25	
IMPROVED TELEPHONE	1 lb., each (3 lbs.)		$1.25
CHAMPION OF ENGLAND	2 lbs., each (6 lbs.)		2.25
	10 lbs., each (30 lbs.)		10.00

"QUITE CONTENT"

This is the largest podded pea, the pods being 5-6 inches in length, quite exceptional for size. It is later in season than "Vaughan's Improved Telephone;" the vines grow 5 to 6 feet high and should be brushed. They yield long pods filled with large peas of fine flavor. A splendid exhibition sort. **Pkt., 10c; lb., 50c; 2 lbs., 95c; 10 lbs., $4.00.**

TELEPHONE. Standard stock, the pods are light instead of dark green, and are not quite as uniform as our Improved Telephone.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

BOSTON UNRIVALED. Of the light colored tall sorts, this is the highest type. A mid-season variety, large podded and very uniform, peas of good quality.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.

Increase the yield of your peas by inoculating the seed or soil with "Nitragin"—Nitrogen-gathering bacteria. It is conveniently put up in various sized tins to meet the requirements of home gardeners as well as professional market growers. **See page 57.**

Parsley sometimes takes 2 or 3 weeks to germinate. Firm the soil well around the seed after sowing and keep the ground from drying out.

VAUGHAN'S PARSLEY

VAUGHAN'S XXX PARSLEY

VAUGHAN'S XXX PARSLEY

"The most beautiful Parsley that ever garnished a dish."

An enthusiastic chef gave voice to the above expression as he garnished some dishes of fine table delicacies with sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, adds zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes. It grows very dwarf in the garden—many of our customers plant it as a border for which it is very pretty; it also is valuable in the hot-bed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

VAUGHAN'S CHAMPION MOSS CURLED. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. For garnishing dishes and for flavoring purposes it is entirely satisfactory.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

PLAIN or ITALIAN. The leaves are not curled. However, the flavor is excellent and plant is very hardy.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

Vaughan's Vegetable Cook Book

Here is a book that in these times of forced economy will prove its full worth to the industrious housewife. Contains over two hundred talks and recipes on how to serve, cook and preserve the products of your garden. It is a book that you will soon find you cannot do without, and the benefit you derive will amply compensate us for our time in collecting and putting together the contents. You are entitled to your own opinion on how to do things, but read also what the others, many of them experts, say. It only costs 35c, or you get it FREE with a $1.50 order for Vegetable Seeds in packets or ounces if you ask for it.

TALL GROWING PEAS

PLANT THE BEST

PRINCE EDWARD

Very large pods. This is an English strain of the "Telephone," selected and bred especially for size of pods. The peas are large and good flavor. Splendid showy variety.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

ALDERMAN

This mid-season pea is tall growing, of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific: of the best quality.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., $3.75.

EVERBEARING

For late summer and autumn; very prolific variety. Pods, about 3 inches long, with large peas of good quality.

Pkt., 10c; lb., 40c; 1 lbs., 75c; 10 lbs., $3.00.

YORKSHIRE HERO

An old standard variety; vines medium tall; produces a fine crop of broad, well filled pods. Peas are wrinkled, sweet, large and remain a long time in good condition.

Pkt., 10c; lb., 35c; 2 lbs.. 65c; 10 lbs., $2.50.

LONG ISLAND MAMMOTH.
Known also as Telegraph. Later and hardier than Telephone, with smooth seeds. The pods are not so large nor the peas of as good quality as Telephone.
Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.

BLACK EYE MARROWFAT (Late).
A great yielder of ordinary quality peas.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

WHITE MARROWFAT.
Similar to Black Eye. Popular heavy yielder.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

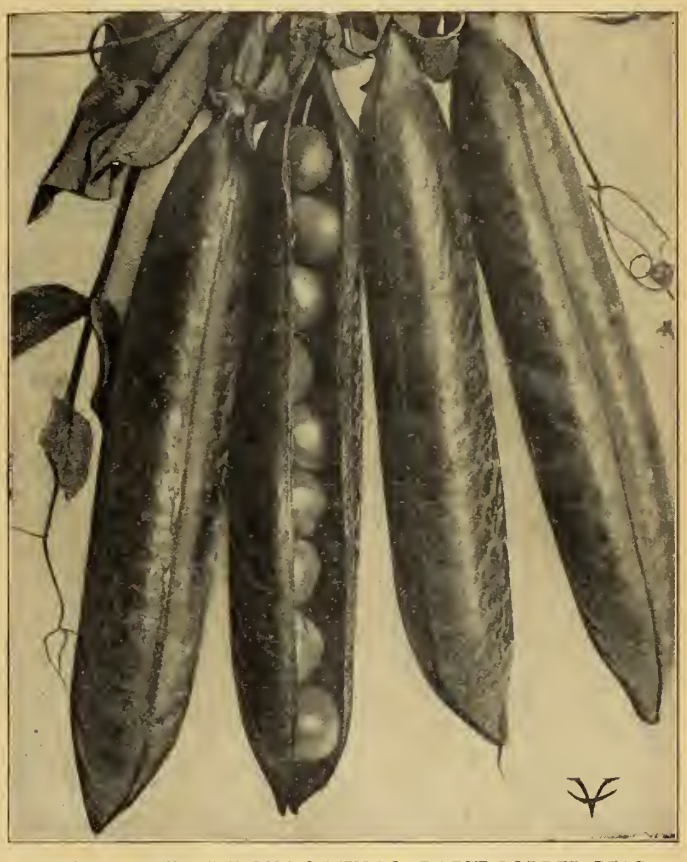
EDIBLE POD PEAS (Cooked like String Beans)

DWARF GRAY SUGAR. Vines 16 inches.
Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

LUSCIOUS SUGAR.
Tall growing strain of above. **Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $3.50.**

MAMMOTH PODDED SUGAR.
A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. **Pkt., 10c; 1 lb., 45c; 2 lbs., 85c; 10 lbs.,$3.50.**

Next to Sweet Corn, Fresh Peas are the most delicious of all garden products.



"PRINCE EDWARD," ONE OF THE LARGEST PODDED PEAS.

VAUGHAN'S PARSNIPS

Parsnip seed usually comes unevenly. Should be sown as early as possible in spring. Cover one-half inch deep and roll. 1 oz. of seed will sow 100 foot row.

VAUGHAN'S MARROWFAT PARSNIPS

The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high class variety. In richness of flavor it is unequaled. For exhibition purposes it is a winner.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" Parsnip. As a money maker for market men we recommend it. It is a heavy cropper, the roots are smooth but not so long, though somewhat thicker than the original, which makes them easier to harvest. **Pkt., 5c; oz., 10c; ¼ lb., 30; lb., $1.00.**

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved). Smooth, large, tender and sugary; one of the best. Our strain is a good selection. **Pkt., 5c; oz., 10c; ¼ lb., 30c lb., $1.00.**

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

Parsnips are a valuable stock food as well as a table dish. They are often used for flavoring soups and broths without being eaten.

VAUGHAN'S MARROWFAT—Handsomest and Best

PLANT THE BEST

Prices quoted here represent values in early January. Latest market prices for quantities on request. On quality basis we can always meet the market. These prices subject to change owing to price variations for eating potatoes.

VAUGHAN'S

WOODBURY'S WHITE ROSE

WOODBURY'S WHITE ROSE

A splendid early potato. Woodbury's White Rose is a seedling from "Early Rose." It is right in size, beautiful kidney-shape with pure white skin and flesh. The **vines** are **vigorous** and **resist early blight,** and the yield i double that of some other extra early sorts. **½ pk., 65c; pk., $1.10; ½ bu., $2.00; bu., $3.75; 100 lbs., $6.00; 500 lbs. at $5.50 per 100 lbs.**

VAUGHAN'S WHITE OHIO

A popular first early white potato. A sport from Red Ohio and very similar to that sort, except in color. Has all good points, quality, earliness; beautiful pure white; some like old "Peachblow".

½ pk., 65c; pk., $1.10; ½ bu., $2.00; bu., $3.75; 100 lbs., $6.00; 500 lbs. at $5.50 per 100 lbs.

VAUGHAN'S strains of Northern Grown Seed Potatoes grown for seed, screened and hand picked have been planted by our potato growing customers for years.

EARLY AND MAIN CROP SORTS

For more than twenty years we have had our Early Seed Potatoes produced in the Red River Valley of the North in Minnesota and Dakota—Today Vaughan's Red River Valley grown true to type Early Seed Potatoes are the standard of quality throughout the country. We have found these are earlier, more vigorous and better yielders than any grown elsewhere.

We call attention to our second early varieties closely following in their ripening the Early Ohio—but yielding much more heavily—**Irish Cobbler.**

VAUGHAN'S IMPROVED EARLY OHIO (RED)

Is a **week** to **10 days earlier** than **other strains** of the **same variety.** The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minn., the natural home of high-class potato seed. This standard variety is well known to growers, who find it superior to other strains. In the middle west Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected.

½ pk., 65c; pk., $1.00; ½ bu., $1.90; bu., $3.60; 100 lbs., $5.75; 500 lbs. at $5.25 per 100 lbs.

Improved Northern Grown Early Ohio

Red Type

VAUGHAN'S MAIN CROP VARIETIES

NEBRASKA. Rural Type. The Best.

This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the **heaviest cropping** main **crop flat white potato.** Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the Nebraska has out-yielded all standard kinds. The **vines** are **very broad** and **produce** an **immense growth** of **luxuriant foliage.** The tubers are flat, somewhat flatter than Carman or Rural Type; size larger and quality superb. For market or home garden it is ideal.

½ pk., 60c; pk., 95c; ½ bu., $1.85; bu., $3.50; 100 lbs. $5.65; 500 lbs. at $5.10 per 100 lbs.

OTHER RURAL TYPES

CARMAN NO. 3. One of the **most popular** of the **Carman** group of potatoes. A white, flat variety, which **sets** its **tubers** very **close** to the **top** of the **soil,** thus **giving good yields** in **clay soil** where **other** varieties **fail.** Carman No. 3 grows to the largest size of these sorts.

½ pk., 60c; pk., 95c; ½ bu., $1.80; bu., $3.45; 100 lbs. $5.50; 500 lbs. at $5.00 per 100 lbs.

RURAL NEW YORKER NO. 2. Very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. Known everywhere as "Dusty" Rural.

½ pk., 60c; pk., 95c; ½ bu., $1.80; bu., $3.45; 100 lbs. $5.50; 500 lbs. at $5.00 per 100 lbs.

SIR WALTER RALEIGH. An A1 late potato. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. Exceedingly fine grained and white-fleshed.

½ pk., 60c; pk., 95c; ½ bu., $1.80; bu., $3.45; 100 lbs. $5.50; 500 lbs. at $5.00 per 100 lbs.

GREEN MOUNTAIN. After careful trials we list this as the most desirable of the cylindrical late potatoes. It is especially suited for loose soils or muck land. As the tubers set rather deep it is not so good on heavy or clay lands as the crop is liable to run undersized. On loam the tubers run uniformly large. Green Mountain is a hard potato to beat for eating quality; it cooks dry and mealy with a particularly fine flavor; some growers claim "Bug Proof." It is an immense yielder. **½ pk., 60c; pk., 95c; ½ bu., $1.85; bu., $3.50; 100 lbs. $5.65; 500 lbs. at $5.10 per 100 lbs.**

Please name second choice in case the variety ordered be sold out, or, say if we may substitute other similar sort.

POTATOES

CLEAN SEED POTATOES. Our potatoes are grown especially for us by famous growers who spray, select and treat their seed keeping it true to type and free from disease. The stock we send out in the spring will be twice hand sorted.

PLANT THE BEST

GROWN IN THE FAR NORTH

Dearborn and Woodbury's White Rose,—maturing within a few days of each other in the order named. **The Prices in this catalogue represent values at the time this book went to press and are subject to market changes.** Write for latest market quotations. We are large carload handlers of potatoes and are always in line with the prevailing market. On a quality basis we can always meet competition. Get our figures on large lots before ordering elsewhere.

IRISH COBBLER—Early Heavy Cropper

Is a grand early potato of medium large size, and in light soil, does its best for earliness, maturing almost as soon as the smaller cropping Earlies. The demand for more early potatoes makes a virtue of the necessity to plant early varieties that yield bigger crops rather than the Earlies which yield small crops. Irish Cobbler is always a very popular seller. Its size, shape, good quality and elegant appearance commend it and it usually secures a better price, side by side with standard Earlies. Our seed is grown in Red River Valley, Minn., and is superior to other strains grown elsewhere.

½ pk. 65c; pk. $1.00; ½ bu. $1.90; bu. $3.60; 100 lbs. $5.75; 500 lbs. at $5.25 per 100 lbs.

ACME. A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardens.

½ pk., 65c; pk., $1.00; ½ bu., $1.90; bu., $3.60; 100 lbs., $5.75. 500 lbs., at $5.25 per 100 lbs.

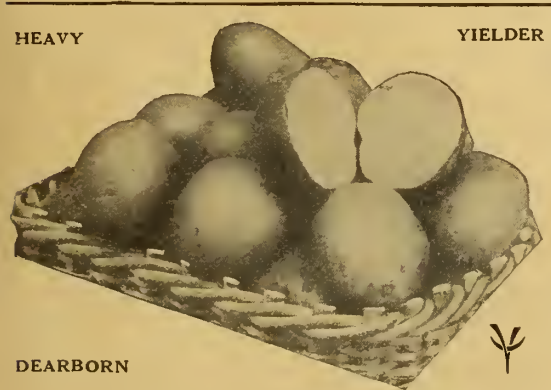
VAUGHAN'S DEARBORN. The heaviest yielding second early. A round potato something like Irish Cobbler but flatter. In season less than a week later than Cobbler and a twenty-five per cent better yielder. Fine wherever Cobblers do well.

½ pk., 65c; pk., $1.10; ½ bu., $2.00; bu., $3.75; 100 lbs., $6.00; 500 lbs. at $5.50 per 100 lbs.

There was a party here yesterday that planted Vaughan's Early Ohio and Irish Cobbler Potatoes last spring. He claimed he had a good yield of fine Potatoes, while all his neighbors had almost total failure from their own stock seed. He gave credit to your seed for his success.

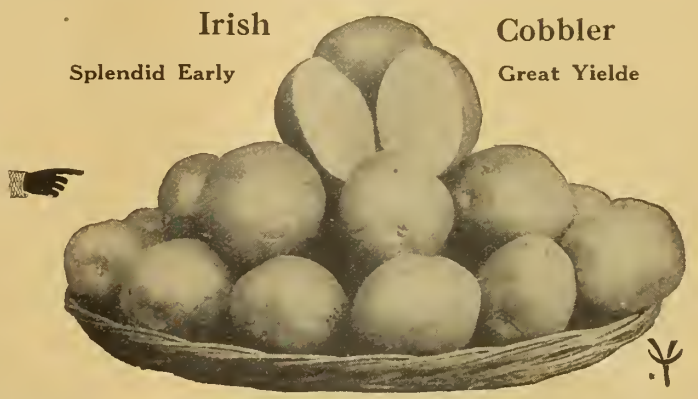
Our own experience and extensive acquaintance with other parties is convincing proof of his opinion. We have bought good seed from many reliable seedsmen, but have never found any better than "Vaughan's."

L. H. MAHAN,
Terre Haute, Ind.



A Second Early.

It Makes Friends.



BLISS or RED TRIUMPH. For more than a decade this has been the standard early potato in the South. It is a round, reddish skinned potato, rather deep eyes and of medium size. As they appear early in the spring on the Northern market they are very attractive and, of course command a large premium over old stock.

½ pk., 65c; pk., $1.10; ½ bu., $2.00; bu., $3.75; 100 lbs., $6.00; 500 lbs. at $5.50 per 100 lbs.

SWEET POTATOES

GROWN ESPECIALLY FOR SEED. We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nansemond.

N. B.—Owing to perishable nature of these tubers we ship BY EXPRESS ONLY.		10 lbs.	50 lbs.	100 lbs.
	Yellows	$1.10	$4.00	$7.75
	Reds	1.25	4.50	8.75

INSECTICIDES AND SPRAYERS

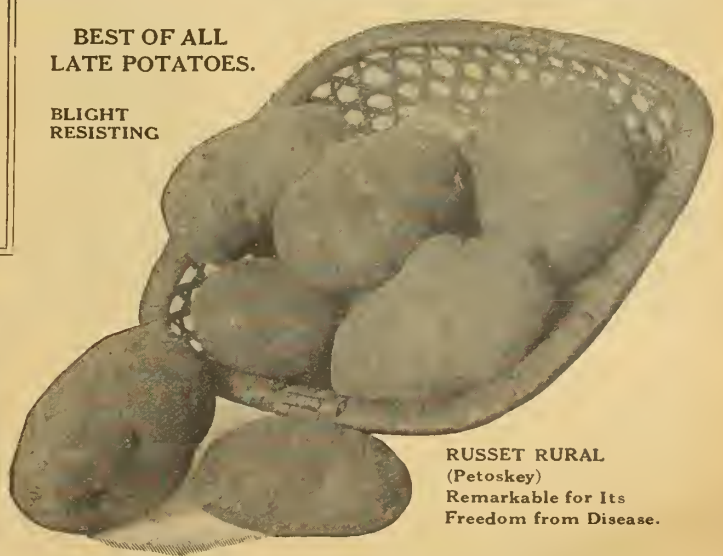
Potato growers should insure their crops with the very best sprayers and insecticides We carry a complete line of Iron Age horse sprayers and a great variety of hand and barrel sprayers as well as the highest quality **Paris Green, Arsenate of Lead, Slug Shot, Bordeaux** and other insecticides and fungicides. Lowest "quantity" prices. Write for Special Iron Age Catalog, and consult page 27 of this catalog for sprayers and page 130 for insecticides and fungicides.

TIMELY SUGGESTIONS TO THE AMATEUR GARDENER

Many garden beginners in their war gardens had very little success with potatoes. Potatoes require a mellow, rich, easily worked soil. On poor heavy soils results are not favorable. For real success, spraying is necessary, Bordeaux for blight, Paris Green or Arsenate of Lead for bugs and Black Leaf 40 for leaf hoppers and aphis. Bordeaux-Lead or Pyrox—both combinations of Bordeaux Mixture and Arsenate of Lead—are very valuable because they combine a fungicide to control blight, and an insectide to kill chewing insects. **Two Sprays in One.** (See pages offering insecticides and sprayers). Potatoes freshly dug from the garden are a luxury. They are worth the effort. Early Ohio for early and Nebraska for late are ths most generally successful with the amateur. Plant Early Ohio about the last of April or first of May. The Nebraskas are usually planted after the first of June, but around Chicago better success has been had planting in May.

BEST OF ALL LATE POTATOES.

BLIGHT RESISTING



RUSSET RURAL (Petoskey) Remarkable for Its Freedom from Disease.

RUSSET RURAL OR PETOSKEY

A superb variety of recent introduction and considered away ahead of any other late potato. Remarkable on account of its freedom from disease. This variety has been carefully tested side by side with other late sorts and the results of the trials has served to strengthen our high opinion of its merits. Russet Rural is an excellent yielder. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities. There is practically no waste in peeling as the eyes are almost on the surface. The tubers are uniform in size and each plant yields above the average of marketable potatoes.

½ pk., 60c; pk., 95c; ½ bu., $1.85; bu., $3.50; 100 lbs. $5.65. 500 lbs. at $5.10 per 100 lbs.

OUR FREE DELIVERY. **See inside front cover page explaining free delivery to three first postal zones. For 5 cents per pound more we prepay to all zones.**

PLANT THE BEST

Vaughan's 20 Day Radish is ahead of all others that we have ever planted in speed, stand, flavor and size.
WALLACE R. LOWRIE,
Duluth, Minn.

EARLY SORTS
(F)—Forcing Sorts

VAUGHAN'S

VAUGHAN'S SELECT SCARLET GLOBE

Vaughan's sale of Radish Seed to the many under-glass gardeners—growers of lettuce and radish — runs into thousands of pounds annually. Many of them buy our seed months in advance and keep these special strains always on hand.

The Radish Seed shortage of last season has been entirely overcome. We now have a good supply of best strains of French types, raised by careful American growers. We are satisfying our customers who have been forcing these under glass for many years. In these cases we

EARLY SCARLET GLOBE FORCING (F)

Vaughan's GLASSHOUSE Strain

For hot bed and greenhouse forcing, and out-door planting. Very early, crisp, mild and tender, very attractive and one of the best sellers. This Radish is rich bright scarlet in color, of uniform globe shape and stands heat better than any other sort without becoming pithy. It is ready for the table in 25 days.

Vaughan's Scarlet Globe Radish should be planted in every greenhouse and garden for market as well as home use. For the home, plant every 10 days until into June; again end of August.

Vaughan's Select Stock—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.
Standard Stock—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; 5 lbs., $5.00.

VAUGHAN'S CARDINAL FORCING (F)

Is a splendid marketing radish; of the **Globe shaped** sorts it is the handsomest; it is larger and more evenly shaped, and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent—for early sowing in the home garden it is a winner. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

CRIMSON GIANT (F)

For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet flavored. Sow seed thinly to permit root growth. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

GIANT BUTTER (F)

This is by far the largest of the early turnip, forcing radishes, exceeding in size even the Crimson Giant. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. **Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. $2.00.**

EARLY SCARLET GLOBE WHITE TIP. Best and quickest of the **white tips**; fine quality. **Pkt., 10c; oz. 15c; ¼ lb., 45c; lb., $1.50.**

VAUGHAN'S ALL SEASONS. May be sown from spring to autumn and used at all stages of growth; a round scarlet radish. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

IMPROVED BREAKFAST (See page 45)

EARLIEST CARMINE TURNIP (F)

The best and quickest **all red turnip shaped** radish, matures in about 21 days. For forcing under glass it excels, and for outdoor planting in the home garden it is one of the best varieties. Crisp, sweet and tender, leaves, very short. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

EARLIEST WHITE TURNIP (F)

Good for forcing or open ground, tops are short and tap root thin. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

TRIUMPH

A very early, handsomely mottled red and white striped, short topped radish of good quality, especially attractive, really a table decoration. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

BRIGHTEST LONG SCARLET See Below.

This is a home garden favorite; it combines **beauty** and **fine quality**; the body is brightest scarlet color, which blends downward to a **long tip of pure white.** Usually ready for the table in 25 days from planting.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

EARLY LONG SCARLET SHORT TOP

Along, straight, smooth, red radish; it grows partly above ground; it develops long roots, tender, crisp and sweet. **Pkt., 5c; oz., 10c; ¼ oz., 30c; lb., $1.00.**

WOOD'S EARLY FRAME. (F) An early forcing variety of long scarlet; has short top, especially selected for growing under glass. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

HALF LONG DEEP SCARLET. (F) This is good for forcing, it is brittle and mild. It is much grown in the south for early shipment. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

Don't Sow Winter Sorts Until Late June

LONG AND

VAUGHAN'S MARKET. (Half Long White). The best early half-long white radish, tender, brittle, delicate flavor, resembles Strassburg in size, grows more quickly, delicate and fine.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

CINCINNATI MARKET. A long red radish, white tip, short top. If your market uses a long sort try this one. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer.
All of the following: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

IMPROVED CHARTIER. Somewhat resembling brightest scarlet. It is double the size and later; long scarlet tipped with white.

LONG WHITE VIENNA. Snow white, very brittle and crisp.

WHITE STRASSBURG. Larger size and thicker than Vienna. Very solid.

WHITE STUTTGART. A turnip shaped, large white radish.

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Very short crop. **Pkt., 10c; oz., 30c.**
Each of the following: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

CALIFORNIA MAMMOTH WINTER. Long, very large size.

ROSE OR SCARLET CHINA. Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. Like long black, only round.

HALF LONG BLACK WINTER. Fine sort.

LONG WHITE SPANISH. Like Long Black, except color.

ENCOURAGE GOOD HEALTH BY THE FREE USE OF VEGETABLES

Asparagus assists in the cure of kidney trouble.
Beets and **Potatoes** are fat producing.
Carrots aid digestion.
Lettuce is a remedy for insomnia.
Lettuce, Onions and **Celery** are good nerve tonics.
Parsley and **Endive** are good for dyspepsia.
Parsnips are a good spring medicine.
Spinach is excellent for the kidneys.
Tomatoes will stimulate the liver.
Water Cress is a good bracer.

A liberal use of the above will save doctors' bills.

RADISHES

OVAL VARIETIES

(F)—Forcing Sorts

Radishes must be grown quickly without check and will consequently require rich, mellow soil. Enrich your ground with Vaughan's 5-8-1 Truck and Farm Manure. See page 125.

PLANT THE BEST

specify **American-grown** varieties. In the home garden plant Vaughan's Early Scarlet Globe, Cardinal Forcing, Giant Butter or Crimson Giant for first planting; Icicle, Scarlet Turnip White Tip (Sparkler Strain) or Long Scarlet for main crop. Late sorts July 1.

SCARLET TURNIP WHITE TIP

VAUGHAN'S SELECTED STOCK

The exceptional merit of this radish is proved by its popularity, increasing every year with successful market-gardeners, whose orders for Vaughan's Seed run into many thousands of pounds.

This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, with white tip and is a high class strain for out-door planting. It combines beautiful appearance with finest radish-quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for open ground.
Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50; 5 lbs., $7.00.

American Grown. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.50.

VAUGHAN'S 20-DAY

Extra Early (F) Olive-Shaped.

The **quickest Red Olive shaped** radish, matures 20 days after sowing; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50.

EARLIEST WHITE OLIVE (F)

Earliest of **all** radishes—matures in 15 to 18 days after sowing.

This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50.

I have had splendid success with the seed from your firm this year. In October I picked Icicle radishes, **fine and fresh** for the table, 7 inches long, measuring five inches around and weighing a pound.
LAURA ROUNTREE SMITH,
Platteville, Wis.

VAUGHAN'S "SPARKLER" STRAIN

SCARLET TURNIP, WHITE TIP

IMPROVED BREAKFAST (F)

An excellent early olive shaped radish about 2-inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. **Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50.**

OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20 day. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

OVAL YELLOW MAY. A new sort, fine quality. Pkt., 5c; oz., 30c.

NON PLUS ULTRA. (F). Scarlet turnip shaped. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

OTHER GOOD RADISH KINDS

Price, any of the following:
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

FRENCH BREAKFAST. Quick and handsome.
MIXTURE. Turnip and olive shaped varieties.
EARLY DEEP SCARLET TURNIP. An old standby.
YELLOW TURNIP. A summer variety.
GOLDEN YELLOW SUMMER TURNIP. Smooth.

Vaughan's "Sparker" Strain of White Tip Radish has no superior. It has been carefully selected to meet the requirements of critical eastern gardeners who plant it extensively and buy their seed from us.

OTHER SORTS

Sow other kinds every 10 days to end of May for succession.

ICICLE RADISH

ICICLE—The Finest White Radish

An ideal white radish—long slender root which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.

Pkt., 5c; oz., 10c. ¼ lb., 30c; lb., $1.00.

SAKURAJIMA

A Japanese radish of immense size. In shape it is oval with cream colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

LONG WHITE SALSIFY. Pkt., 10c; oz., 20c; ¼ lb., 60c., lb., $2.00.

SALSIFY, MAMMOTH SANDWICH ISLAND

SCORZONERA, OR BLACK SALSIFY

Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. **Pkt., 10c; oz., 35c; ¼ lb., $1.10.**

IMPROVED LONG BLACK (BLACK SALSIFY). This variety is earlier than Scorzonera, it may be planted in the late spring without running to seed; the longer season thus permitting a considerably larger growth of root. **Pkt., 10c; oz., 30c.**

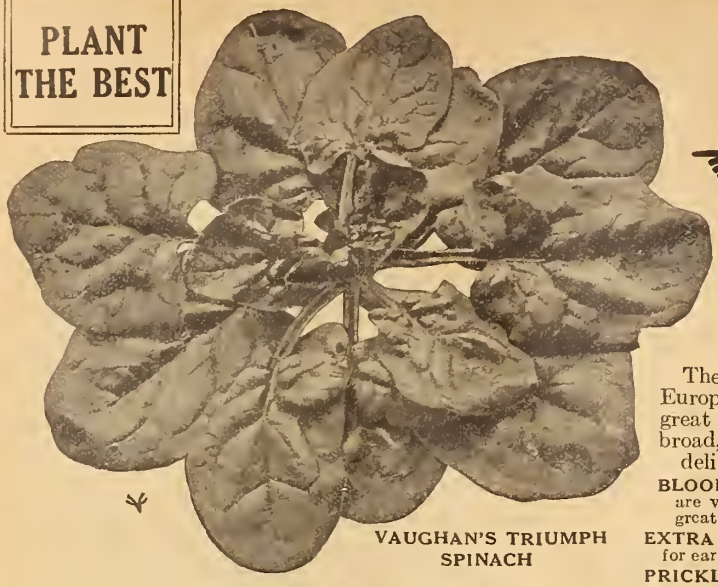
RAMPION—A New Salad

Both the roots and leaves make a delicious salad. **Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c.**

Rhubarb, Sea Kale, Endive and Egg Plant. See page 23.

PLANT THE BEST

VAUGHAN'S



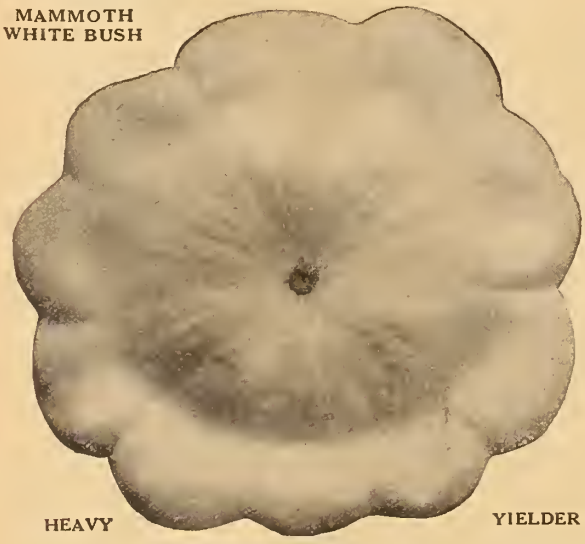
VAUGHAN'S TRIUMPH SPINACH

VICTORIA SPINACH

Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

MAMMOTH WHITE BUSH



HEAVY YIELDER

BUSH FORDHOOK SQUASH

A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety, whether for summer or winter use. If stored before frost in a warm dry place, it will furnish winter squash for table use until the new crop is ready.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

FORDHOOK—Early

Ripens early and is one of the best keepers. Can be kept through the winter until June. Is very prolific, and nearly bug and borer proof.

Pkt., 10c; oz., 25c; ¼ lb., 55c; lb., $1.75.

YELLOW SUMMER CROOKNECK

The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.60.

VAUGHAN'S STRAIGHTNECK

A Straightneck selection from the Summer Crookneck. Desirable for shipping. **Pkt., 10c; oz., 25c; ¼ lb., 55c; lb., $1.75.**

VEGETABLE MARROW

This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy. Our packages contain cultural directions and recipes for cooking.

Pkt., 10c; oz., 25c; ¼ lb., 55c; lb., $1.75.

Spinach has come more and more into general use; even Canned Spinach enjoys big demand and sale.

VAUGHAN'S TRIUMPH SPINACH

Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are **thick warted,** and **fine** and **tender** when cooked.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

VAUGHAN'S GIANT FILLBASKET

The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

BLOOMSDALE OR NORFOLK SAVOY-LEAVED. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers.

EXTRA LARGE ROUND LEAF. Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use.

PRICKLY-SEEDED. Very hardy; sow in fall; for late use.

BLOOMSDALE. Identical with Vaughan's Norfolk Savoy.

LONG STANDING. Of compact growth with thick deep-green leaves. Slow to seed.

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth. N. Y. favorite.

Price of the above. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

NEW ZEALAND SPINACH (Tetragonia Expansa)

While this is not a member of the Spinach family proper, it may well be classed as such, since it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked.

Do not sow seed until May 1st or when the soil is fairly warm, as it is susceptible to cold and will not germinate in cold soil. Plant in rows 3 ft. apart and thin the plants to stand 2 feet apart in the rows. **Soak the seed before sowing.**

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

This spring I bought some of your seeds which turned out to be very good. The Tomatoes are the best looking up here.

JOHN MORTON, Dowagiac, Mich.

SUMMER SQUASH

VAUGHAN'S GIANT SUMMER CROOKNECK

Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruit that is heavily warted and true to type. The flesh is a rich golden yellow, the quality and flavor of which is the very best.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.85.

MAMMOTH WHITE BUSH

Is an **improved** selection of the old **"Early White Bush,"** the highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer. Our strain is very select.

Pkt., 10c; oz., 25c; ¼ lb., 55c; lb., $1.75.

EARLY WHITE BUSH. Very early. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.**

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

MAMMOTH YELLOW BUSH. Like Mammoth White Bush. The fruit runs a little larger and has a fine pale-yellow skin, creamy white flesh.

Pkt., 10c oz., 25c; ¼ lb., 55c; lb., $1.75.

GIANT WHITE SUMMER CROOKNECK. A large selection of the old "Summer Crookneck"; the skin is ivory white. The flesh is tender and of good flavor.

Pkt., 10c; oz., 25c; ¼ lb., 55c; lb., $1.75.

VAUGHAN'S GIANT SUMMER CROOKNECK

OUR FREE DELIVERY. See inside front cover page explaining **Free Delivery** to three first postal zones. **For 5 Cents per Pound More We Prepay to All Zones.**

Spray your Squash vines frequently during early stages of growth with Pyrox. See page 130.

SPINACH

Including
SWISS CHARD
The ever-growing
Spinach

SWISS CHARD—The City Garden Friend

LARGE LEAVED SEA KALE

This vegetable gives **maximum returns** for **little care** and **space**; it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place, for in proportion to ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The **leaves** are used for **greens** the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. It can be **used all Summer** when **spinach is not available.** The leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. As it grows, thin out for use and keep clear of weeds. Good cultivation increases its tenderness. Gardeners use Swiss Chard as a catch crop, giving quick results on temporarily idle spaces. The investment is small and returns large. Our packages contain recipes for cooking.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

COOPER'S MAMMOTH. This new mammoth sort is a medium green-colored variety of immense size—large chard or midrib of excellent quality and flavor. **Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.25.**

TWELVE VEGETABLES GIVING MAXIMUM RETURNS
FOR MINIMUM SPACE AND LABOR.

Beans. Stringless Greenpod.
Beets. Vaughan's Fire Ball
Carrot. Early Chantenay.
Sweet Corn. Golden Bantam.
Cucumber. Davis Perfect.
Lettuce. Black Seeded Simpson.
Onion Sets. White Bottom.
Parsley. Vaughan's XXX.
Radish. White Tip "Sparkler."
Radish. Icicle.
Swiss Chard.
Tomato. Bonny Best.

WINTER SQUASH

THE DELICIOUS—For Quality

A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color; **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35.**

CHICAGO ORANGE MARROW. Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season—Sept. to Jan.; always salable, has handsome shape, smooth orange skin, good size, everyone likes it. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35.**

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green, the flesh, of very superior quality, is light yellow. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.**

DELICATA. Orange yellow, mottled with spots and stripes of dark green. Flesh, rich and solid, fine keeper and producer. Extra early. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35.**

DELICIOUS SQUASH

PLANT THE BEST

SWISS CHARD
FOR SUMMER GARDEN

GARDEN SORREL

Is boiled and served like spinach, also delicious for **soups.** As the **hot sun tends to increase its acidity, a Northern exposure is advisable.** It should be sown in drills 18 inches apart. It is hardy but the roots should be divided every four years. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.**

ORIGINAL HUBBARD SQUASH

Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruit has dark green skin, and often weighs as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick, of superior flavor. If stored right, Vaughan's Strain can be sold in good condition until spring. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.**

ORIGINAL
HUBBARD

Chicago has been a great market for Hubbard Squash for many years shipping carloads to Boston; our strains of this are, and always have been, first class.

VAUGHAN'S CHICAGO WARTED HUBBARD

Vaughan's **Chicago Warted Hubbard Squash** has **been bred** to **meet the requirements** of a **high-class** article of **this kind;** fruits are **of large size, rough skin, dark green** in color. For producers on a large scale, these **qualities** are **needed.** Our **strain** is **ideal** for the **home** market, **vines are** of **strong robust growth, fruit is large, grand shape,** heavily **warted,** flesh is **bright orange, fine grained, rich** and **dry.**
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

GOLDEN HUBBARD

Fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are **earlier** in **season** but **keep** in fine **condition** through the winter. The **skin** is **deep orange yellow** and very **attractive. Flesh** is **deep golden yellow,** fine **grained** and **delicious.**
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

GOLDEN BRONZE

Large size, 9 to 10 pounds, grayish green color, good keeper, uniform; its sweet flesh is golden yellow. Crop failed. **Pkt., 10c.**

MARBLEHEAD

Prolific, light blue, olive shape, dry and sweet, delicious flavor.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

ESSEX HYBRID—Turban-Shape

For fall or winter; large broad fruit; skin and flesh orange-red.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35.

You can increase hand labor results ten fold per day by using IRON AGE Hand Garden and Field Tools.

PLANT THE BEST

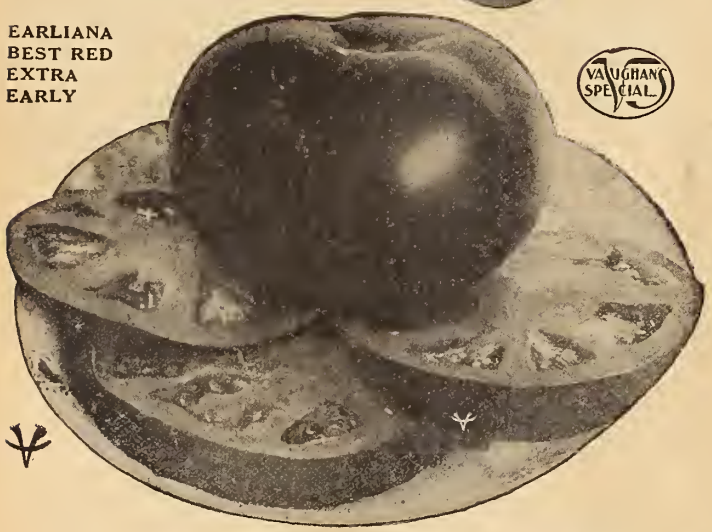
VAUGHAN'S

Tomato Plants

We have ready about May 15th, carefully grown tomato plants.

See page 52 for varieties and sizes.

EARLIANA
BEST RED
EXTRA
EARLY



VAUGHAN'S SELECT EARLIANA

VERY POPULAR EARLY RED

Vaughan's **Earliana** is the earliest **large, smooth bright red** tomato. In season it ripens with the earliest, and our strain shows few, if any, of the rough fruits found in large numbers in other **early** sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.30; lb., $4.25.

JUNE PINK—The Best Extra Early Pink

In many, perhaps the greater number of markets, a **pink early tomato** is most desired. This is the **earliest** of the **pink** varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find very few rough fruits, and in Western markets where **pink tomatoes only** sell readily, this is a **splendid profit maker.**

Pkt., 10c; ½ oz., 30c; oz., 45c; ½ lb., $1.40; lb., $4.75.

DESCRIPTION OPPOSITE

A SINGLE CLUSTER

VAUGHAN'S PONDEROSA

FOUR CLOSELY RELATED EARLY REDS

JOHN BAER (See illustration on back cover). A remarkable new variety of the extra early red or scarlet type. Not quite so early as Earliana, though there are only a few days' difference, and **John Baer yields a much heavier crop of larger, more uniform and more attractive fruits.** It is far more profitable to grow than any other extra early sort.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40; lb., $4.75.

BONNY BEST. Regarded as a shade later than John Baer. Smooth, large and uniform fruit; yields well until frost.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.35; lb., $4.50.

CHALK'S EARLY JEWEL. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.35; lb., $4.50.

VAUGHAN'S NEW YORK. A worthy sort to follow the early red sorts like Earliana and Chalk's Jewel. It is a second early red-skinned, firm-fleshed tomato of high quality which is at the same time of good size and attractive appearance. Unlike some of the early sorts, the vine yields large size fruits to the end of the season.

Pkt., 10c; ½ oz., 30c; oz., 50c.

ACME — Early (Purple). Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost.
Pkt., 5c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

EARLY DETROIT (Purple). The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe shaped.
Pkt., 10c; oz., 45c; ¼ lb., $1.40; lb., $4.75.

BEAUTY (Purple). Is the most popular of the **large purple sorts.** Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink.
Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

HUMMER—Early (Red). Globe shaped, medium size, smooth, **prepared for table without waste.** Scarlet, free from cracks. Has heavy foliage and should be grown on trellises.
Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00;

VAUGHAN'S MODEL TOMATO. A handsome dwarf tree variety, potato leaf; foliage, large, broad, dark green, heavily blistered. The fruit is smooth, and of best quality—the color a brilliant scarlet.
Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

DWARF ARISTOCRAT. This is a **scarlet** Dwarf Champion. The size, shape, form and color are nearly perfect for home use. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it ideal in home gardens.
Pkt., 10c; oz., 45c; ¼ lb., $1.35; lb., $4.50.

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

SUNRISE. Rich scarlet, medium size, solid, delicate flesh. Very prolific.
Pkt., 15c; ½ oz., 35c.

COMET. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts.
Pkt., 15c; ½ oz., 30c.

HUBERT'S MARVEL. Scarlet color. Round like an apple. **Pkt., 15c; ½ oz., 30c.**

BEST OF ALL, Sutton's. One of the old standards: good yielder of small scarlet fruits
Pkt., 10c; ½ oz., 25c.

FROGMORE SELECT. Almost round, small seed cavity, bright red. **Pkt., 15c; ½ oz., 25c.**

LORILLARD. One of the best known and popular kinds. **Pkt., 10c; ½ oz., 25c.**

STIRLING CASTLE. Small size, uniform and very productive. **Pkt., 15c; ½ oz., 35c.**

LISTER'S PROLIFIC (new). Latest popular English sort. **Pkt. 25c.**

DWARF CHAMPION

A good sort for the **home garden.** Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, **very smooth, purplish pink, symmetrical,** flesh very solid. The vine is strong and stiff, requiring little support.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40; lb., $4.75.

DWARF CHAMPION

TOMATOES

PLANT THE BEST

The Dwarf or Tree Tomatoes take up less room in the garden than the tall sorts and require no staking. Best sorts are Dwarf Aristocrat, Dwarf Champion and Dwarf Stone.

DWARF STONE—The Largest Dwarf Tomato

This is the **largest Dwarf tomato;** it resembles "Dwarf Champion" but is of **stronger growth** and **more erect.** In shape and size it is similar to "Improved New Stone". The fruit is red, and specimens weighing ¾ pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. **Fruit ripens evenly, is solid,** free from cracks and of excellent quality. Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40; lb., $4.75.

PONDEROSA—The Giant Tomato

Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches 1 pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.60; lb., $5.50.

DWARF STONE

VAUGHAN'S IMPROVED NEW STONE

VAUGHAN SPECIAL

NEW GLOBE TOMATO

This new **Globe** or **Ball Shaped** tomato is **ideal** for the **home garden;** it is excellent for slicing. The rich, juicy, tomato flavor gives a certain zest and joy in the eating. The vines ripen the first fruits with the second earlies. They yield a heavy **crop** and continue to bear until frost. The skin is a smooth, glossy red; the flesh is firm and it has few seeds.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

NEW GLOBE

IMPROVED NEW STONE

"KING OF THE REDS"

The **very best** of the **main crop** varieties. For **yield, size** and **appearance,** we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Canners plant it for their main crop and market-gardeners find it their most profitable sort.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

MATCHLESS. Large, bright red, long keeping tomato. The solid frut is produced on strong, vigorous, prolific vines. Very distinct. **Pkt., 10c; ½ oz., 20c; oz., 35c; ½ lb., $1.15; lb., $4.00.**

CREAM CITY. This is one of the very first large tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper,
Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

VAUGHAN'S TALL CHAMPION. An extremely strong **grower** and **heavy** bearer; the fruit is like "Dwarf Champion" in color and smoothness, but runs a little larger in size, averaging 2¼ inches thick and 3¼ inches broad. It is very **hardy** and very **prolific,** one of the most desirable sorts for both home and market use. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25.**

ENORMOUS. Very large, beautifully **smooth,** solid **flesh, few seeds,** rather **oval** shape, mid-season, **ripens all through at once. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.**

CORELESS TOMATO. A late red; most perfect shape, best suited to southern and central states; requires long season to mature. The productive vines bear clusters of 4 to 7 tomatoes. Splendid for home gardeners and canners.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40.

CRIMSON CUSHION or Beefsteak. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance.
Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.60.

MAGNUS. An **early main crop;** strong growing vines, with short joints, placing the fruit clusters close together; a heavy cropper. Fruit is **globe shape,** and ripens evenly. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.**

GOLDEN PONDEROSA

A YELLOW GEM

This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75; lb., $6.50.

Small Fruited Tomatoes

Very desirable for pickles and preserves.

New Grape or Cluster, Napoleon

This is the best of the so-called "desert" tomatoes which are eaten whole. Immensely productive; sometimes 40 to 60 of the small fruits fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is delicious. **Pkt., 15c; ½ oz., 35c; oz., 60c.**

RED CURRANT. Very small.
Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00.

Prices of the following: **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.**

TWO PEACH TOMATOES. Peach shape and color. **Red** or **Yellow.**

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long, 1 inch through; the one is **lemon yellow,** the other **plum red.**

YELLOW AND RED PEAR. Distinct shape.

RED CHERRY. Small fruit, bright scarlet.

HUSK or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet, prized for eating, preserving and making pies.

OTHER STANDARD SORTS

GOLDEN QUEEN. Brick yellow. **Pkt., 10c; ½ oz., 25c; oz., 30c; ¼ lb., $1.30; lb., $4.25.**

All below at the following prices: **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.**

Atlantic Prize. Early Red
Buckeye State. Large purple
Early Freedom. Very early
Early Michigan. Early Red
Favorite. Early red
Honor Bright. Fine shipper
Imperial. Early purple
Perfection. Blood red; late.
Trophy. Old standard; late.

PLANT THE BEST

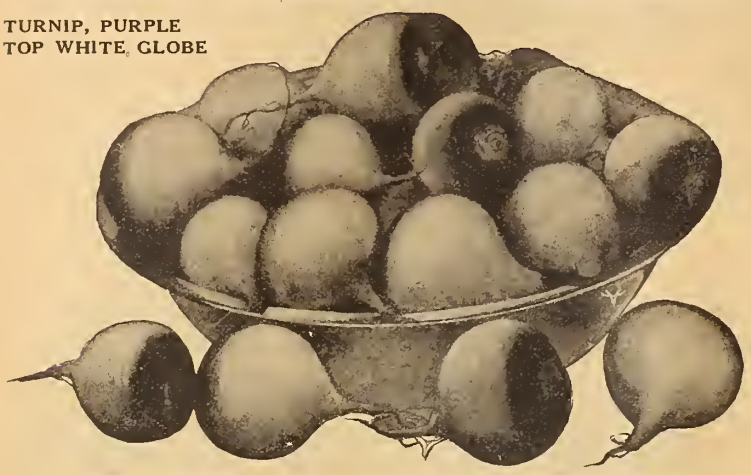
Mangels are as necessary to the general stock farmer as to the dairy farmer. Hogs will thrive on them almost as well as on alfalfa and sheep will just about live on them all winter.

WHITE FLESH VARIETIES

VAUGHAN'S

GARDEN OR

TURNIP, PURPLE TOP WHITE GLOBE



PURPLE TOP WHITE GLOBE

Originated from "Purple Top Flat Turnip," is **extensively planted** and **popular** for its **fine qualities.** The flesh is **firm, fine grained, sweet** and **rich flavored;** it is of **good size,** globe shaped, **fine appearance,** a **good producer** and fine **keeper. Splendid** for table—**tip top** for **stock.**
Pkt., 5c; oz. 10c; ¼ lb., 30c; lb., $1.00; 5 lb., $4.50.

EXTRA EARLY PURPLE TOP MILAN

An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.10.**

EARLY WHITE MILAN is the **earliest turnip,** but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet.
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.10.

WHITE FLAT DUTCH, a very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern states; is medium sized, sweet, tender and desirable for table use. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

EARLY SNOWBALL. Small, white, grows quickly, splendid table quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

MANGELS OR STOCK BEETS

BARRES SLUDSTRUP

Holds the world's record for dry matter content. This Mangel has been awarded the first-class certificates several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety in weight and in the feeding value of the yield. Our seed is from the best Danish growers. **Oz., 10c; ¼ lb., 25c; lb., 70c; 5 lbs., $3.00.**

VAUGHAN'S MAMMOTH LONG RED. Largest and heaviest cropper of long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, bright red skin and white flesh veine with pink. Grows well up above the ground: easy to harvest. Splendid dairy feed.
Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.75.

GOLDEN TANKARD. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Very nutritious.
Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.75.

GIANT YELLOW INTERMEDIATE. Between the long and globe sorts in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils.
Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.75.

CHAMPION YELLOW GLOBE. Skin a rich yellow, flesh white and solid; grows two-thirds above ground hence the best for shallow soils. Good keeper.
Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.75.

GIANT YELLOW ECKENDORF. One of the most popular European varieties; contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots, cylindrical in form, weigh 15 to 20 pounds each; the greater portion grows above ground. Easily harvested.
Oz., 10c; ¼ lb., 25c; lb., 70c; 5 lbs., $3.00.

GIANT ROSE HALF SUGAR. Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but has white skin and flesh. Highly nutritious and a big producer. **Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.75.**

SUGAR BEETS—Fine for Stock

The kinds offered below are grown from roots the test analysis of which showed high sugar content. **Prices** of the following: **Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.**

VILMORIN'S IMPERIAL. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, with 1 per cent sugar.

KLEIN-WANZLEBEN. Wedge shape, tapering to long tail.

LANE'S IMPROVED. Heavy yielder; flesh snow white.

FRENCH RED TOP SUGAR. Famous in France for percentage of sugar.

REDUCE YOUR SUGAR BILL. Sow a row of sugar beet for syrup. Cut beets into thin slices and soak in hot water to extract the sugar. The liquid is then boiled down. Very easily grown. One ounce will plant a 50 foot row.

VAUGHAN'S IMPROVED AMERICAN PURPLE TOP RUTABAGA

FREE BOOKLET ON ROOT CROPS

ROOT CROPS

Root crops are a great necessity for all kinds of stock, and fowl too, root feeding not only gives high class tissue-building substance to the body, but acts also as a tonic, keeping in healthy condition the digestive organs and maintaining general good health. As a body-builder, **root crops** should be **consistently** and **regularly fed** to **all stock;** where such is done, results will show not only in the **healthful appearance**

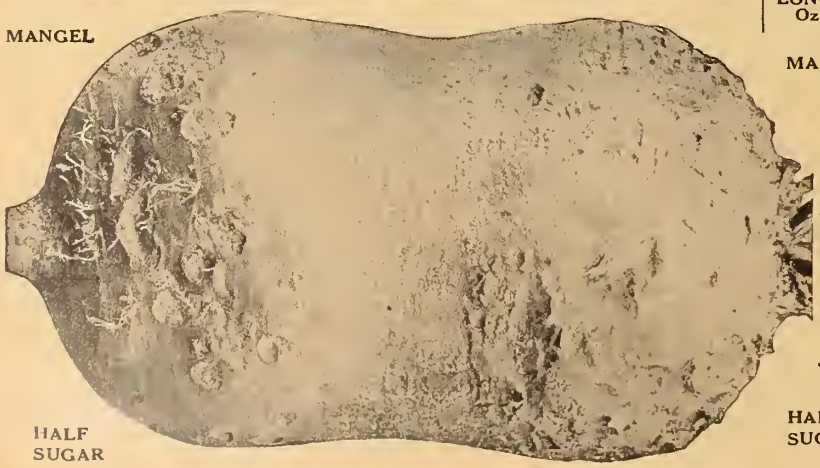
CARROTS FOR STOCK—Best for Horses

Carrots are very valuable for **all kinds** of domestic animals and best for horses. When fed alternately with oats to **work-teams** on the **farm,** the value of Carrots is equal to the Oats they displace.

MASTODON OR WHITE INTERMEDIATE. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts.
Oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.

LONG WHITE BELGIAN. Similar to Long Orange except in color.
Oz., 10c; ¼ lb., 25c; lb., $75c; 5 lbs., $3.25.

MANGEL



HALF SUGAR

MANGEL

GROWN FOR STOCK

THEY MAKE THEM THRIVE, FATTEN AND ENRICH THE STOCKMAN'S PURSE

ALL STOCK THRIVE ON THESE

HALF SUGAR

MANGEL BARRES SLUDSTRUP

TURNIPS

WHITE AND YELLOW VARIETIES

Sow all Root Crops for stock feeding in drills, 2 feet apart, and thin out to 9 inches in the rows. It requires 5 lbs. of Mangel Seed and 4 lbs. of Turnip or Rutabaga to sow an acre with a seeder.

PLANT THE BEST

TABLE VARIETIES

PURPLE TOP STRAP-LEAVED

Is a **table** variety, **fine, tender** and **deliciously flavored.** It is a week **later** than "White Milan." It is broad shaped, medium size, **white flesh** fine grained, splendid quality. Top is dark **red** or **purple,** elsewhere **white,** has **few leaves, upright in growth,** fine keeper.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; 5 lb., $4.00.

GOLDEN BALL or Orange Jelly. Medium size, globular table turnip. Season early. Flesh yellow, sweet.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

TETLOW. Small in size; a German delicacy of remarkable quality.
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

LARGE YELLOW, or AMBER GLOBE. Fine quality and sweet.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

TABLE RUTABAGAS

Prices of the following: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

VAUGHAN'S IMPROVED. One of the best flavored of all. See description under Swedes and Rutabagas for Stock on this page.

LAING'S GARDEN RUTABAGA. Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts.

WHITE SWEDE. White, solid.

SWEET GERMAN. A fine table sort, white flesh, excellent keeper.

Those Dearborn Potatoes are wonderful. I had a fine crop last year.
DR. IRA A. MARSHALL, Ironton, Mo.

PURPLE TOP MILAN

WHITE FLAT DUTCH

EARLY PURPLE TOP STRAP-LEAVED

FOR STOCK

ASK FOR IT WHEN ORDERING

and physical **fitness** of the stock, but also in their **profit-making increase** of **weight,** and, in **dairy** animals, **enriched** milk. The following succession in spring will furnish succulent feed from September to April; Turnips, Rutabagas, Mangels, the latter not being in condition to use before January. Roots should be chopped or sliced and fed with other forage.

VAUGHAN'S HALF LONG DANVERS. Another broad-shoulder variety. Stump rooted and a wonderful producer. Fine for stock.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; 5 lb., $4.50.

IMPROVED LONG ORANGE. Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for **stock,** good **table** variety. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; 5 lb., $4.50.**

LONG ORANGE BELGIAN. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb.,75c; 5 lb., $3.50.

TABLE ROOT CROPS—FOR STORING IN THE CELLAR

At no time are vegetables more needed, and incidentally more expensive, than in winter. If you have a cellar, barn or other suitable place where you can store root crops, let your garden produce them; they are easily grown and they make wholesome, delicious, nourishing food.

"Winter Storage" Collection "W 8". Eight Packets.

One each of the following for 35c.

RUTABAGAS, Vaughan's Improved and Laing's Swede TURNIP, Large Yellow and Purple Strapleaf; CARROT, Danvers; PARSNIP, Marrowfat; BEETS, Detroit and Egyptian. Collection No. 'W 8'

The above eight packets, with booklet telling how to grow and store, postpaid, **35c**

SWEDES AND RUTABAGAS—for Stock

A profitable and highly nutritious crop to grow for winter feed for all Farm Stock and Fowl. The smaller roots can also be used as a table vegetable, are somewhat coarser than those recommended above but are valuable for winter storing.

VAUGHAN'S IMPROVED AMERICAN PURPLE TOP is from stock of a purple top: **largest** size, **best shaped** variety, small neck, smooth skin: good cropper and keeper. One of the most profitable to grow on account of its great yield of large solid roots, which make excellent winrte feed for all farm stock. Excellent table quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; 5 lb., $4.00.**

MONARCH. A stock crop for early feeding, oblong shape, yellow flesh, 9ne grain, fine flavor, **superior in quality and weight.** Produces 5 to 7 tons per acre more than any other Swede. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

RHODE ISLAND ROCK. Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

VASSAR. This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

CARTER'S IMPERIAL. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

SKIRVING'S. Large yellow. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

BREADSTONE. Medium size, white roots. **Pkt.,5c; oz.,10c; ¼ lb., 30c; lb., 90c.**

BANGHOLM DANISH. Yellow flesh, purple top with small neck. Danish pedigree seed. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

SUTTON'S CHAMPION. Round, big yielder, yellow flesh.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

LARGE FIELD TURNIPS—for Stock

COW HORN or LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.
Prices of the following: **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

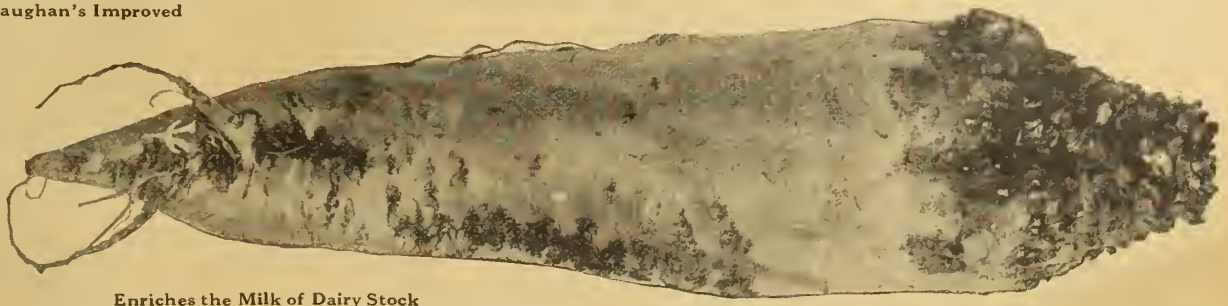
WHITE EGG. Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored.

POMERANIAN WHITE GLOBE. Large, good both for table and stock.

LARGE WHITE NORFOLK. Globular, late, solid.

YELLOW ABERDEEN. Large globe-shaped table and stock variety.

I would like to take this opportunity of expressing our appreciation of the uniformly high quality of the seeds which we have received from you.
HELEN INGERSOLL, New York City.



Enriches the Milk of Dairy Stock

VAUGHAN'S MAMMOTH LONG RED MANGEL. THE ESSENCE OF NOURISHMENT FOR HOGS AND SHEEP.

PLANT VAUGHAN'S

Vegetable Plants

PLANT VAUGHAN'S

SEEDLING TRANSPLANT POT PLANT

The above illustration shows the bushy, vigorous growth of a Tomato pot plant compared with a Transplant and Seedling of the same height.

PEPPER. Ready about May 15th.

	Prepaid Prices		Not Prepaid	
Sweet Mountain, Vaughan's Magnum Dulce and Cayenne.	Doz.	100	Doz.	100
Transplanted Plants	$0.40	$2.50	$0.35	$2.25
From 2-inch pots. By express only.			.75	5.00

TOMATO. Ready about May 15th.

Earliana, Dwarf Champion, Dwarf Stone, Beauty, New Stone, Ponderosa, John Baer and Yellow Ponderosa.

Transplanted Plants	.35	2.25	.30	2.00
From 2-inch pots. By express only.			.65	4.50

SWEET POTATOES. Ready about May 20th.

Yellow Jersey, Red Jersey. 100 for **$1.50**, prepaid; 250 for **$2.50**; 500 for **$4.50**; 1000 for **$8.00**. By express at buyer's expense.

NOTICE—Although we exercise the greatest care in the packing and dispatch of Vegetable Plants, **we cannot guarantee safe arrival.** Our responsibility ends on delivery to P. O. or Express Office.
No Plants sent C. O. D. and no Pot Plants sent by Mail.

Please Note: Pot Plants **cannot be sent by Mail.**
Transplanted plants **cannot be supplied from New York.**

WITH our extensive greenhouses and frames at Western Springs, Ill., we are able to grow plants in large quantities and of superior quality. Besides which we make emergency contracts for an additional supply to guard against accident to our own crops. **Note dates** at which we ship the different kinds of plants. Please make shipping date on your order to correspond with these and kindly make out your vegetable plant order on a separate sheet. **For southern customers** we make slightly earlier shipments.

Our specialty POT-GROWN PLANTS, carefully grown and hardened off. **We pack carefully for express shipments only.**

CABBAGE.

	Prepaid Prices		Not Prepaid	
Early Sorts. Jersey Wakefield, A Head, Copenhagen Market.	Doz.	100	Doz.	100
Ready about April 20th.				
Transplanted Plants	.35	2.15	.30	2.00
From 2-inch pots. By express only.			.65	4.50
Late Sorts and **Savoy.** Premium Flat Dutch, Danish Ballhead, Improved American Savoy.				
Ready in May and June.				
Transplanted Plants	.35	2.15	.30	2.00
From 2-inch pots. By express only.			.65	4.50
Red Cabbage. Transplanted Plants	.35	2.15	.30	2.00
From 2-inch pots. By express only.			.65	4.50

CAULIFLOWER. Ready in April.

Vaughan's New Snowball.				
Transplanted Plants	.35	2.25	.30	2.00
From 2-inch pots. By express only.			.65	4.50

CELERY. Ready June 15th.

	Early Varieties. White Plume, Golden Self-Blanching, Giant Golden Heart.	**Late Varieties.** Winter Queen, Easy Blanching.
Transplanted Plants, 5 kinds	.25	1.50

100 for **$1.20**; 250 for **$3.00**; 500 for **$5.50**; 1000 for **$10.00.** Not Prepaid.

EGG PLANT. Ready about May 15th.

New York Purple Improved. From 2-inch pots. By express only.	.75	5.00

HERBS

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom.

Herbs should be gathered and dried quickly in the shade, then packed closely in boxes away from the action of the elements.
Varieties preceded by an (*) are perennials.

ANISE. Used for garnishing, seasoning and for cordials. Pkt., **10c**; oz., **35c**.

***BALM.** Used for making Balm wine and tea. Pkt., **5c**; oz., **25c.**

BASIL, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., **5c**; oz., **25c.**

BENE. The leaves immersed in water make a drink very beneficial in cases of dysentery. Pkt., **10c**; oz., **30c.**

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., **5c**; oz., **20c.**

CARAWAY. Seeds are used for flavoring. Pkt., **5c**; oz., **20c.**

CATNIP OR CATMINT. Grown for bees, also for seasoning. Pkt., **10c**; oz. **40c.**

CHAMOMILE (MATRICARIA CHAMOMILE). The dried flowers possess medicinal qualities. Prescribed as an emetic and vermifuge. Pkt., **10c.**

***CHIVES SEED.** Used for seasoning. Pkt., **15c**; ½ oz., **60c**; oz., **$1.00.** See page 94 for clumps.

CORIANDER The seeds are used for flavoring. Pkt., **5**; oz., **10c.**

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 15c; ¼ lb., **35c**; lb., **$1.00.**

***FENNEL, Sweet.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 5c; oz., 20c.

FENNEL, Florence. An excellent legume with agreeable aromatic flavor, sweet taste and a delicate odor. Very distinct from Sweet Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., **5c**; oz., **15c**; ¼ lb., **50c**;

***HENBANE.** The growing plants are said to absorb malaria germs. Pkt., **5c**; oz., **25c.**

***HOP SEED.** Pkt., **10c.**

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., **10c**; oz., **40c.**

HYSSOP. The tops and flowers are used for Hyssop tea. Pkt., **10c**; oz., **25c.**

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in making perfumes. Two kinds.

Lavender (Lavandula vera). True Lavender. Pkt., **10c.**

Lavender (Lavandula spica). Not quite so strong as above. Pkt., **5c**; oz., **30c**; ¼ lb., **$1.00.**

LAVENDER PLANTS. Give much better results than seed. **20c** each; doz., **$2.00.** By mail add **5c** per plant, **20c** per doz.

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., **10c**; oz., **35c.**

***MINT.** For mint sauce and juleps. **Field Roots,** each, **10c**; doz., **$1.00.** 4 in. pots, each, **30c**; doz., **$3.00. Large plants** (by express), **50c** each; doz., **$4.00.** By mail add **5c** each; **20c** doz.

PENNYROYAL. Leaves are used for seasoning. It also has medicinal properties. Pkt., **10c.**

PEPPERMINT The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. Pkt., **25c.**

PIMPINELLA (Burnet). The young leaves are used as salad; their flavor resembles cucumbers. Pkt., **5c**; oz., **20c.**

ROSEMARY. The leaves are used for seasoning. Pkt., **10c.**

***RUE.** For medical purposes; good for roup in fowls. Pkt., **10c.**

SAFFRON. Used for coloring and for flavoring. Pkt., **10c**; oz., **25c.**

SAGE, (Holt's Mammoth). The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter; are perfectly hardy and make a still larger growth the second season. **Plants** each, **20c**, 3 for **50c**; doz., **$1.75.** By mail, add **5c** each; doz., **20c.**

SAGE SEED. Leaves and tops are used for seasoning and stuffing. Pkt., **10c**; ½ oz., **40c**; oz., **75c.**

SUMMER SAVORY. The leaves and young shoots are used for flavoring, especially for boiled stringbeans. Pkt., **10c**; oz., **25c.**

TAGETES LUCIDA. Possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. Pkt., **5c**; ½ oz., **25c.**

***TARRAGON (Artemisia Dracunculus).** The leaves, dried or fresh, are steeped in ordinary vinegar. Plants only. **First size, 25c** each; doz., **$2.50; 2nd size, 20c** each; doz., **$2.00.** By mail, add **5c** ea.; doz., **20c.**

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., **10c**; ½ oz., **35c**; oz., **60c.**

WOODRUFF or WALDMEISTER (Asperula odorata). Used in May Wine and also for perfuming clothes. Pkt., **10c.**

***WORMWOOD.** Beneficial for poultry; plant in your poultry yard. Pkt., **5c**; oz., **35c.**

SWEET MARJORAM (Marjoran, Marjolain)

VAUGHAN'S TREE SEEDS

EVERGREEN seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Ap ple, Pear and Locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart.

One pound lots and less include postage; write for prices on large lots.

	Pkt.	Oz.	¼ lb.	Lb.	....
Apple	$0.10	$0.20	$0.60	$2.00	....
Arbor Vitae, American	.10	.35	1.10	4.00	....
Birch, White	.10	.20	.60	2.25	....

	Pkt.	Oz.	¼ lb.	Lb	10 lb.
Box Elder	$0.05	$0.10	$0.25	$0.75	$6.50
Catalpa Speciosa	.10	.20	.60	2.00	....
Locust Honey	.05	.15	.40	1.25	....
Locust, Black or Yellow	.05	.10	.35	1.00	....
Maple, Oregon Mammoth	.05	.15	.50	1.75	....
Mulberry, Russian	.10	.35	1.00	3.50	....
Osage Orange	.05	.15	.45	1.25	....
Pear, French	.10	.45	1.45	5.00	....
Pine, Scotch	.10	.45	1.40	5.00	....
Spruce, Norway	.10	.45	1.40	5.00	....

Small Fruit Seeds

These germinate slowly. Sow them early.

Raspberry Seed. Large-fruited sorts, mixed. Pkt., **10c**; ½ oz., **20c.**

Currant Seed, White, Red or Black. Pkt., **10c**; ½ oz., **20c.**

Gooseberry Seed. Pkt., **10c.**

STRAWBERRY SEED. Pkt.

Belle De Meaux..... **10c**, 2 for **25c.**

Bush Alpine, White..... **10c**} 1 of each, **15c.**

Bush Alpine, Red..... **10c**}

Hybrid Mixed..... **15c**, 2 for **25c.**

La Perle. Large-fruited Everbearing..... **20c**

We list on page 64 a number of valuable books on fruit growing priced as low as 25c postpaid. If you are going to grow fruits—and there is nothing more profitable—send for one of these. We also have a special book on Strawberry Culture for 50c postpaid.

Tobacco Seed

Packets, of any of the following each, 10c

	per oz.	¼ lb.	lb.
Comstock's Spanish. Wisconsin Favorite	$0.60	$2.00	$7.50
Primus. Yields big crops, fine quality	.55	1.85	7.00
Harby. Turkish; stands heat, drought	.60	2.00	7.50
Brazilian-American. Brazilian strain	.55	1.85	7.00
Big Havana. A hybrid Havana	.60	2.00	7.50
General Grant. Leaves 44 inches long, matures crop early. Ideal for cigars	.60	2.00	7.50
Connecticut Seed Leaf. Best adapted to climate of Middle and Northern States	.60	2.00	7.50
Big Oronoko. Has no equal for strips and dark wrappers	.55	1.85	7.00
White Burley. The popular Kentucky sort	.60	2.00	7.50

Not only can you raise your own tobacco, but you can grow your own pipes. Sow a few seeds of Calabash Pipe Gourd. See No. 1489 on page 76.

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months, and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre.

Japanese grown (Winter Sowing Rape).
Lb., 25c; 5 lbs., 85c; 50 lbs., $7.75; 100 lbs., $15.00.

Genuine English Grown. Dwarf Essex Rape.
Lb., 35c; 10 lbs., $3.00; 100 lbs., $25.00.

DWARF ESSEX RAPE

AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. Sow in garden bed, and transplant 7 feet apart. **Oz., 15c; ¼ lb., 35c; lb.. $1.10.**

BIRD SEED

Vaughan's Re-cleaned of Highest Quality

The health of your birds depends as much on the quality of their food as on their general care.

Clean, fresh bird seed is essential. **Vaughan's bird seed can always be depended on.** It is of the highest grade, carefully recleaned and always fresh.

You can feed it to your birds with absolute confidence that you are giving them the best obtainable.

Beware of cheap package bird food. Feed them Vaughan's and be sure.

BLUE MAW (Poppy). Per lb., $1.00; 5 lbs., $4.50.
CANARY SEED. Lb. 20c; 5 lbs. 90c; 10 lbs. $1.75.
CUTTLEFISH BONE. Per lb., $1.50.
HEMP. Per lb., 16c; 5 lbs., 75c; 10 lbs., $1.40.
LETTUCE SEED FOR BIRDS. Per ¼ lb., 10c; lb., 25c, 5 lbs., $1.00.
MILLET, Fancy Re-cleaned. Per lb., 10c; 10 lbs., 75c.
BIRD RAPE. (Not Dwarf Essex). Per lb., 20c; 5 lbs., 85c; 10 lbs., $1.60.
SUNFLOWER SEED, extra clean for birds. Lb., 20c; 5 lbs., 95c; 10 lbs., $1.80.

SUNFLOWER MAM. RUSSIAN

Standard crop raised for the seed which is used in Poultry and Parrot feeds. Fancy domestic seed. Sow about 8 lbs. to acre. **Oz., 5c; lb., 20c; 10 lbs., $2.25; 100 lbs, $20.00.** Bags free.

TEOSINTE

A valuable continuous cutting forage plant for Southern and Southwestern states. It resembles Indian corn, but the leaves are larger and the sap sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs. per acre. **Pkt. 5c; oz. 10c; ¼ lb. 25; lb. 75c.**

PEANUTS

Spanish—Earliest variety, solid and well filled. Sow in rows 3 feet apart, 8 to 10 inches in the row.
Pkt., 10c; lb., 30c; 5 lbs., $1.20; 10 lbs., $2.15.

Mammoth Virginia, later than Spanish—with large pods and kernels.
Pkt., 10c; lb., 30c; 5 lb., $1.20; 10 lb., $2.15

Jumbo or New Orleans Special, the giant variety.
Pkt., 10c; ½ lb., 30c; lb., 50c; 10 lbs., $4.00.

CHUFAS, or EARTH ALMONDS

Used to fatten hogs. Nuts grow under ground very near surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 feet apart, and 8 to 10 inches apart in row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre.
Pkt., 10c; lb., 25c; 10 lbs., $2.35; 100 lbs., $22.00.

FLAX SEED

Primost Variety, fancy re-cleaned Dakota seed. (Bu. 56 lbs.)
Peck, $2.00; bu., $7.50; bags free.

You have always filled my orders so satisfactorily that it is a pleasure to do business with you. R. F. BROWN, Hope, North Dakota.

Please tell us if we may substitute in case any variety ordered by you is sold out.

PLANT THE BEST

Ask for prices on Meadow and Pasture Mixtures giving acreage to be seeded.

VAUGHAN'S FANCY

FANCY KENTUCKY BLUE GRASS (Poa pratensis)

The greatest of all pasture grasses for America particularly on limestone soils. All live stock like it and thrive and fatten upon it. It requires time to establish itself and should be grazed on **lightly** for the first two years. The time of sowing depends upon locality. In some sections **Early Spring** and again in **June** and in others the **Fall** is best. Bush. 14 lbs., sow three per acre.

Vaughan's re-cleaned, the highest grade of this grass seed that perfect growing and careful cleaning can produce, is the best that can possibly be procured.

Extra Fancy Sun-dried Seed, twice re-cleaned; very high germination. Actual weight, 25 lbs. per bush., sold at legal weight (14 lbs. per bush.), 1 lb., **45c;** 5 lbs., **$2.15;** 10 lbs., **$4.20;** 100 lbs., **$40.00.**

Fancy Seed, actual weight 21 lbs. per bush., sold at legal weight (14 lbs. per bush.) 1 lb., **40c;** 10 lbs., **$3.75;** 100 lbs., **$35.00.**

RHODE ISLAND BENT GRASS (Agrostis tenuis)

This valuable lawn grass resembles "Red Top" in appearance but has shorter leaves; it makes a fine colored, close turf, and adapts itself readily to any soil, in which respect it also resembles "Red Top."

It is much in use in the New England States, for lawns and permanent meadows and pastures; for these it is very valuable. For lawns, sow in Spring 3 to 4 bushels per acre. We offer American grown seed this year, (14 lbs. to bushel.). **1 lb., 70c; 10 lbs., $6.50; 100 lbs., $60.00.**

CREEPING BENT GRASS

(European Mixed Bent)

The long creeping stems and spreading habit of this splendid grass make it ideal for Putting Greens; it makes a lasting turf that withstands hard usage.

The leaves are fine and it develops a dense growth, making it valuable for bottom lands and slightly sandy soil. Makes excellent hay and splendid pastures. (14 lbs. to bush.). Sow in Spring 50 lbs. to acre.

1 lb., **70c;** 10 lbs., **$6.50;** 100 lbs., **$60.00.**

ENGLISH BLUE GRASS

(Festuca pratensis, or Meadow Fescue)

A native of Europe, it has become thoroughly naturalized here. It is very permanent and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow in the Spring 1½ bushels to the acre. (20 lbs. to bush.,) 1 lb., **60c;** 10 lbs., **$5.25;** 100 lbs., **$48.00.**

RED TOP GRASS

(Agrostis alba)

This grass is especially adapted to moist soils.

It is one of the most valuable grasses for pastures and meadows but it is not as nutritious as Timothy for hay. Sow in spring or fall with or without a nurse crop. One bushel of chaff or **unhulled** Red Top, or one-half bushel of **fancy seed** is enough to sow an acre. For lawn mixtures it is invaluable.

Extra Fancy re-cleaned solid seed (32 pounds per bushel), 1 lb. **35c;** 10 lbs. **$3.25;** 100 lbs. **$30.00.**

Natural or Unhulled (bushel, 14 lbs.), lb. **18c;** 10 lbs. **$1.50;** 100 lbs. **$14.00.**

CRESTED DOGSTAIL

(Cynosurus cristatus)

Essential in all good lawn grass mixtures. It thrives in all soils, but best in rich moist land. Makes smooth, close, fine, sward and is in demand for Putting Greens.

With Kentucky Blue Grass it gives splendid results; does well in shade. For lawns it should be sown in spring with other grasses, (21 lbs. to bushel), 1 lb. **50c;** 10 lbs. **$4.50;** 100 lbs. **$40.00.**

Vaughan's Seed Testing Laboratory is under the supervision of an expert Seed Analyst who, with assistants in the department, makes 40,000 tests per year. WE TEST ALL OUR FARM SEEDS FOR PURITY AND GERMINATION.

Cheapness is not an index of value.

MONEY SAVING

In the sowing of a pasture or lawn, it will be found economical in the end to seed the best. The cost over poorer seed is at the most, only a small part of the actual investment. We say this, not to advocate high prices, because high prices and high quality, particularly in the grass seed line do not always go together. We do want, however, to call attention to and protest against the many sellers of seed who cover sham and deceit with the hypocritical cloak of low price. No one can conduct a business and continue in it without earning an adequate profit; such profits, however, should not be made by a cut in quality to compete at a slightly lower price with better goods.

Vaughan's Seed Store offers grass seeds at a price that is just, based upon the quality offered. No better evidence of this truth is furnished than our

MEADOW FOXTAIL

(Alopecurus pratensis)

A mixture for any permanent pasture should contain some of this grass, which is valuable for **moist** meadows and pastures, particularly the latter. It does not reach maturity for 2 or 3 years, therefore it should be sown in mixture with other grasses. Sow in Spring. Our seed weighs 7 lbs. to bush., 1 lb., **55c;** 10 lbs., **$5.00;** 100 lbs., **$45.00.**

TRUE PERENNIAL SWEET VERNAL

(Anthoxanthum odoratum)

Very early. It imparts an exceedingly pleasant odor to hay. Sow in mixture with other grasses 1 lb., **70c;** 10 lbs., **$6.50;** 100 lbs., **$60.00.**

TALL MEADOW OAT GRASS

(Avena elatior)

An excellent meadow grass for winter grazing, and for hay in Southern States and dry climates; should be sown with other grasses

Sow in Spring or Fall 3 bushels per acre, (13 lbs. to bushel). 1 lb., **45c;** 10 lbs., **$4.00;** 100 lbs., **$36.00.**

ANNUAL SWEET VERNAL

(Anthoxanthum odoratum Puelli)

Sow half to one pound per acre with other grasses in the Spring. 10 lbs. to the bushel.

Price, 1 lb., **50c;** 10 lbs., **$4.50;** 100 lbs., **$40.00.**

CANADA BLUE GRASS

(Poa compressa)

A hardy grass with dense creeping root stocks. Adapted to all soils. Recommended for the Eastern and Middle States for pasture and dairy use. Sow 3 bushels of seed to the acre in the Spring. (14 lbs. to the bushel.)

Price, 1 lb., **30c;** 10 lbs., **$2.70;** 100 lbs., **$24.00.**

SHEEP'S FESCUE

(Festuca ovina)

A good grass for upland pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permit its use for lawn purposes. Sow in Spring 35 lbs. to the acre; (12 lbs. to bushel.) 1 lb., **40c;** 10 lbs., **$3.65;** 100 lbs., **$32.00.**

VARIOUS LEAVED FESCUE

(Festuca heterophylla)

A perennial grass, native of Europe. Of some value agriculturally as a hottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf.

Sow in Spring 40 lbs. to the acre. (Bush., 15 lbs.) Seed not obtainable this year.

For other Fancy Grasses see pages two and Three.

Our Lawn Mixtures are all made from Recleaned Fancy Grasses. See pages 2 and 3.

RED TOP

A FIELD OF RED CLOVER AND TIMOTHY.

Clovers, Valuable

FANCY MEDIUM RED CLOVER

Farmers should not neglect soiling crops like clover. They should consider seriously and do at least a part of their regular seeding. We are very proud of our fancy clover; purity, color and germination are of the highest standard. We invite comparison on a basis of quality. The market on clover seed changes daily and the prices quoted here are not fixed. Write for latest prices.

Fancy Seed, lb., **70c;** 10 lbs., **$6.50;** bush., **$37.00;** 100 lbs., **$60.00;** grain bags **65c** each extra. **Choice Grade,** for less money.

MAMMOTH RED CLOVER

Should be included in all permanent grass mixtures, especially on heavy and medium soils. Flowers later than Medium Red, is hardier and not so liable to winter kill.

Fancy Seed, lb., **70c;** 10 lbs., **$6.50;** bush. (about 60 lbs.), **$37.00;** 100 lbs., **$60.00.** Grain bags **65c** each extra.

BOKHARA OR SWEET CLOVER—White Blossom

On worn out or poor soils all over the country, and on good farm lands in the dry sections of states like Nebraska and S. Dak. no other soil-renovating plant can produce as good results. It withstands summer heat and the cold of northern winters. Cattle, sheep and hogs soon acquire a taste for it and as a feed it ranks in value close to Alfalfa. It has the same nitrogenous value as Alfalfa. Cut before getting too large, it makes good hay. Sow in spring or fall. We offer hulled seed, scarified and tested. Lb., **50c;** 10 lbs., **$4.50;** 100 lbs., **$40.00.** Grain bags, **65c** each extra.

GRASSES and CLOVERS

PLANT THE BEST

ON GRASSES

If you would be successful buy THE BEST.

furnishing year after year in actual growing tests, grass seeds to parks and cemeteries in ton lots at prices much higher than department stores and others supply in single pound lots.

We purchase our grass seeds where we know the best is produced. Our business locations — Chicago, the greatest grass seed distributing center in the world, and New York City, the greatest importing center—gives us a great advantage with regard to prices and stocks.

Our Seed Test Laboratory, where all our samples are tested for purity and germination, is under the direction of trained seed experts. We invite comparison of our analysis and tests with those of seeds offered by other houses. We are always pleased to send samples and our own analyses and germination reports to prospective purchasers.

TIMOTHY (Phleum pratense)

One of the best grasses for hay or pasture. Withstands extremes of heat and cold.

The most popular of all hay grasses. A stand is easily secured, growth is rapid and the hay produced commands the highest market figure. An especially valuable feature of Timothy is its hardiness and its ability to withstand both heat and cold. Timothy sown alone is "hard" on the soil and should be followed with a dressing of manure. The vast majority of farmers now sow clover either Medium Red or Alsike with Timothy to replenish the soil with the nitrogen taken by the Timothy. Timothy demands good, rich, rather heavy land.

Prices.—Chicago is the World's Timothy center. We have the opportunity and avail ourselves of it, to pick the cream of the crop of the country. Our samples are the best—tested for purity and germination—and prices the lowest.

Vaughan's Fancy Seed. 99.5 pure. Lb. **25c**; 10 lbs. **$2.00**; 100 lbs. **$18.00.**

Vaughan's Choice Seed. Lb. **20c**, 10 lbs., **$1.75**; 100 lbs. **$16.00.** Grain bags 65c each, extra.

RED OR CREEPING FESCUE

(Festuca rubra)

An excellent bottom grass for pastures and especially for those which are quite shaded. For lawns it is unsurpassed and should be included in all shade mixtures. Sow in spring 30 lbs. per acre; (14 lbs to the bushel.) Seed short on account of European conditions. Lb., **40c.** Write for prices on larger quantities.

SLENDER FESCUE OR FINE LEAVED SHEEP'S FESCUE

(Festuca tenuifolia)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Sow in spring 30 lbs. to the acre. (22 lbs. to the bushel.) Lb., **50c.** Seed not obtainable this year.

HARD FESCUE

(Festuca duriuscula)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, but must be sown in mixture with other sorts on account of its forming tufts. Sow in Spring 30 lbs. to the acre; (12 pounds to bushel.) 1 lb., **40c**; 10 lbs., **$3.50**; 100 lbs., **$32.00.**

RED FESCUE

ORCHARD GRASS

(Dactylis glomerata)

A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Wet soils do not suit it. Not recommended for lawn mixtures as it grows in tufts and leaves bare spots. Sow in Spring, 25 to 30 lbs. per acre. (14 lbs. per bushel.) 1 lb., **40c**; 10 lbs., **$3.50**; 100 lbs., **$32.00.**

ITALIAN RYE GRASS

(Lolium italicum)

Likes a rich, moist, loamy soil where it does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Valuable in lawn grass mixtures demanding immediate effect. Does particularly well in the south. Sow in spring, 60 to 70 lbs. per acre. (18 lbs. to the bushel.) Price, lb., **25c**; 10 lbs., **$2.00**; 100 lbs., **$18.00.**

ENGLISH or PERENNIAL RYE GRASS

(Lolium perenne)

Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soil best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow in spring, 60 to 70 lbs. per acre.

Extra Heavy Seed. Lb., **25c**; 10 lbs., **$2.00**; 100 lbs., **$18.00. Standard Weight,** 24 lbs. to the bushel. Lb., **22c**; 10 lbs., **$1.80**; 100 lbs., **$16.50.**

CHEWING'S FESCUE

((New Zealand Grown)

A good substitute for Red Fescue. Lb., **50c**; 10 lbs., **$4.25**; 100 lbs., **$40.00.**

BERMUDA GRASS

(Cynodon dactylon)

The grass for Southern Lawns and pastures; hard to kill, resists drought; should only be planted for permanency and in the south. Sow in spring 15 lbs. to acre. (30 lbs. to bushel), 1 lb. **85c**; 10 lbs. **$7.50.**

Our Lawn Mixtures are all made from Re-cleaned Fancy Grasses.

ROUGH-STALKED MEADOW GRASS

(Poa trivialis)

A perennial species closely related to Kentucky Blue Grass. Does best in moist, cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow in spring, about 15 to 20 lbs. to the acre. (14 lbs. to the bushel). Lb. **65c**; 10 lbs. **$6.00**; 100 lbs. **$55.00.**

WOOD MEADOW GRASS

(Poa nemoralis)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. Sow in spring, 30 to 35 lbs. per acre. (14 lbs. to the bushel.) **Price,** lb., **75c.** Crop short on account of European conditions. Write for price in quantity.

AWNLESS BROME GRASS

(Bromus inermis)

Successful on arid soils, very strong, thick growth, making two big crops. Cut in bloom, it nearly equals Timothy. It prevents washing on banks of streams; is hard to eradicate—fine pasture. Sow in Spring, Vaughan's extra cleaned seed. 2 bushels per acre, (14 pounds to bushel). 1 lb., **50c**; 10 lbs., **$4.50**; 100 lbs., **$40.00.**

JOHNSON GRASS

(Andropogon Halepensis)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. Sow in spring 1½ bushels per acre; (25 lbs. to the bushel.) Lb., **80c**; 10 lbs., **$7.50**; 100 lbs., **$70.00.**

Leguminous Crops

ALSIKE OR HYBRID CLOVER

Thrives well on damp soils where it is impossible to secure a catch of Red Clover. Because the seed goes so much further than Medium Red and because of its comparatively reasonable price many farmers are sowing Alsike. Sow 5 to 6 lbs. per acre in spring.

Vaughan's Brand. Lb., **70c**; 10 lbs., **$6.50**; bush. (60 lbs.), **$37.00**; 100 lbs., **$60.00.** Grain bags, **65c** each extra.

WHITE CLOVER

Extremely valuable for permanent grass mixtures. It will stand more grazing than any other Clover. As the growth is short it has no value in a hay crop. Much used in lawns. Sow in spring, 3 to 4 lbs. per acre.

Extra Fancy Seed: Lb., **90c**; 10 lbs., **$8.50**; bush. (60 lbs.), **$50.00**; 100 lbs., **$80.00.**

Choice Seed, clean but not as bright as the above: Lb., **80c**; 10 lbs., **$7.50**; bush. (60 lbs.), **$44.00**; 100 lbs., **$70.00.**

CRIMSON CLOVER

Erect growing annual with long narrow and pointed flower heads. Grown extensively in the East and South for turning under to improve the soil.

Produces a hay crop of excellent feeding value but requires to be cut in full bloom to obtain the full value of the nutriment. Sow in August or September, 15 lbs. per acre. Lb., **25c**; 10 lbs., **$1.80**; bush. (60 lbs.), **$10.00**; 100 lbs., **$15.00.**

On account of high value of clovers we ship in Grain Sacks, for which there is a charge of **65c** extra.

IMPROVE YOUR LAND BY PLANTING CLOVER

Vaughan's Alfalfa

PLANT THE BEST

ALFALFA SEED

No Crop Pays So Continuously and None More Abundantly Than Alfalfa

ALFALFA OR LUCERNE

Grain bags holding 150 lbs., 65c each, extra.

Of this most valuable of farm crops, when a stand has been secured, permanent crops are assured; this is one of its great, strong points which makes it an economic certainty. Its value for all stock, especially dairy cattle, has been an ascertained fact with agricultural authorities for years, and up-to-date farmers are fully alive to its many advantages. Note:

1. **Land** should be **well prepared,** soil ploughed deep, cultivated and freed from weeds; made like onion bed; compacted before sowing—seed should be drilled if possible, or lightly covered.

2. **Inoculate Land** for first planting to Alfalfa, with soil from old alfalfa field or from roots of Sweet Clover, half wagon load to acre, or use Nitrogin. See page 57.

Prof. Hopkins, University of Illinois, strongly favors inoculation.

Nearly all soils should be given two to five tons per acre of ground limestone because alfalfa thrives in limestone soil.

3. **Use Northern Grown Acclimated Seed.**

4. **Season to Sow.** June 1st to middle of July, but successful sowings may be made in April, May and June.

NEW ALFALFA, COSSACK

A variety brought to this country by Prof. Hanson of North Dakota. Said to be hardier than any variety yet found. We offer a limited amount of seed so our customers may try it. Lb., **$1.75;** 10 lbs., **$15.00.**

VAUGHAN'S ALFALFA ON A DAIRY FARM IN NORTHERN ILLINOIS

ALFALFA SEED

NEW HARDY ALFALFA, LISCOMB

(Variegated Flower)

The extra hardy "Yellow Flower" Alfalfa, crossed and recrossed with an ordinary sort, has produced **"Hardy Liscomb"** Alfalfa. This important development has distinct points of exceptional merit.

The hardiness of Liscomb as a drought resister is not equaled by any other variety, and its numerous lateral roots give it endurance against ground heaving, from frost, in severe winters. In the severe winter climate of Montana, the parent field from which our seed comes, still continues to produce a full crop of hay and seed (without irrigation), after 35 years of endurance. No part of it has ever been killed in any winter in all these years.

This sort has variegated blossoms and a receding crown (at times 3 to 5 inches below the surface of the soil), also a branched root system in place of a single tap root.

Lb., **75c;** 10 lbs., **$7.00;** bu., **$40.00;** 100 lbs., **$65.00.**

You will find everything you want to know about raising a crop of Alfalfa in F. D. Coburn's book "Alfalfa." Price, **50c;** postpaid.

LISCOMB ALFALFA PLANTS

THE "GRIMM" or EVERLASTING ALFALFA

Renowned the World Over for Its Hardiness. Grimm stands in the same high relation to the Alfalfa as Marquis Wheat does to the Wheat Crop. It is a type of Northern origin, consequently has a very wide range of adaptibility and hardiness.

Endures extremes of cold and withstands excessive heat, accepting most all soils and has obtained a reputation for productiveness and hardiness all through the Northwest. The seed is identical with other types of Alfalfa. We offer genuine Grimm Seed from an inspected field in So. Dakota. Our customers for Alfalfa in the North who wish to make a beginning will make no mistake in using this. Order early as the true stock is limited. Lb., **85c;** 10 lbs., **$7.75;** bu., **$46.00;** 100 lbs., **$75.00.** Grain bags **65c** each extra.

WESTERN GROWN IDAHO SEED. This is extra fine, better than 99.5 per cent pure.
Lb.. **55c;** 10 lbs., **$5.25;** bushel, **$31.00;** 100 lbs., **$50.00.** Grain bags holding about 150 lbs., **65c** each extra.

DAKOTA GROWN DRY LAND SEED. This is an extra hardy strain of strong vitality and great productiveness. It withstands cold and climatic conditions in a marked degree. In wet weather it yields no seed crop.
Lbs., **60c;** 10 lbs., **$5.50;** bushel, **$32.00;** 100 lbs., **$52.00.** Grain bags holding about 150 lbs., **65c** each extra.

BOKHARA or SWEET CLOVER. See page 54. Market Fluctuates. Write for latest Prices.

VAUGHAN'S NITROGEN GATHERING PLANTS

SOJA OR SOY BEANS

This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody, otherwise the nutritive value of the feed will be endangered. For latitudes north of Chicago, we would advise using Northern grown seed. Seed should be sown in June at the rate of ½ bushel per acre and in drills 30 inches apart.

Ito San. Northern grown. Peck, **$2.00**; bush., **$7.50.** Bags free.

Black Beauty. ½peck, **$1.10**; peck, **$2.00**; bush., **$7.50.** Bags free.

Mammoth—Yellow. Southern grown seed. Use south of middle Illinois. ½ pk., **85c**; peck, **$1.50**; bush., **$5.50.**

GIANT BEGGAR WEED

(Florida Forage Plant). An upright growing legume. A fine fodder plant which reaches immense size, also good for plowing under in light soils. For hay cut when first blooms appear. Plant 10 lbs. per acre. Pkt., **10c**; ¼ lb., **20c**; lb., **60c**; 5 lbs., **$2.50**; 10 lbs., **$4.50.**

VELVET BEAN

A very heavy yielding legume belonging to the Soja and Cow Pea class. The most rapid growing of all these sorts. Very popular in the South and of value in the North for a cover crop. Sow about 1 bu. per acre, in drills.

Price, pkt., **10c**; ¼ peck, **85c**; peck, **$1.50**; bush., **$5.00.** Bags free.

CANADA FIELD PEAS

A valuable crop in the northern states for soiling and for cattle feed. Sown with oats all stock eat the hay greedily and thrive upon it. With the present season's high prices for oats, farmers will find it very profitable to sow these peas along with oats for feed. Sow broadcast, 2 bushels per acre—if sown with oats, use a bushel with 1½ bu. oats. Prices subject to market changes.

Bush., **$5.00**; 2 bush., **$9.75**; 10 bush., **$47.50.** Bags free.

LENTILS

A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. Sow about 60 lbs. per acre.

Lb., **25c**; 10 lbs., **$2.00.**

SAINFOIN OR ESPARSETTE

An excellent perennial Fodder plant growing about 3 feet high, flowering in June and July. It is adapted to light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.

Price, lb., **30c**; 10 lbs., **$2.35**; 50 lbs., **$10.50**; 100 lbs., **$20.00.**
Grain bags, **65c** each, extra.

LUPINS, YELLOW

Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Subject to arrival from Europe. Write for prices.

(United States Food Administration License No. G31074)

COW PEAS—As soil renovators and enrichers, have few equals; like other leguminous plants, besides yielding a bountiful crop, they increase the fertility of the soil by collecting nitrogen from the air and adding this expensive fertilizer to the land at a minimum of cost.

COW PEAS

Great Soil Improver

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased, there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. To those in the North who have not had the best success with this plant, we would say that a warm, sandy soil will give best results. Where never grown before, drilling in and cultivating at first, as for field beans, is the best way to start.

A FIELD OF COW PEAS
Ploughed under, a great soil enricher; or cut makes fine hay.

Northern Grown Cow Pea. Michigan Favorite. A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin.

Peck, **$1.65**; bush., **$6.00.** New York, peck, **$1.75**; bush., **$6.50.**

Southern Black Eye. Peck, **$1.50**; bush., **$5.50.**

Whip-Poor-Will. Peck, **$1.65**; bush., **$6.00.**

New Era. Peck, **$1.65**; bush., **$6.00.**

Prices for All Cow Peas, **35c** per quart of about 2 lbs., postpaid in first three zones.

Write for latest market price on quantity of any of the above. Burlap bags included.

VETCHES

WINTER VETCH. (Vicia villosa) Sand or Hairy Vetch. The winter cover crop. This is a hardy legume sown in the Northern States in the fall months, growing well that season and remaining green all winter. It supplies the place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil and at the same time, being a nitrogen gatherer, enriches the soil. Vetch furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For hay use 1 bushel per acre.

Price: lb., **35c**; bush. (60 lbs.), **$18.00**; 100 lbs., **$35.00.** Grain bags, **65c** each. Write for latest prices in August. We are direct importers of this seed.

SPRING VETCH OR TARES (Vicia sativa—Oregon Vetch). Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas.

Per lb., **25c**; peck, **$2.50**; bush, **$9.00.** Grain bags, **65c** each, extra.

NITRAGIN—Pure Culture

THE IMPROVED GERMAN SOIL INOCULATOR
NOBBE-HILTNER PROCESS
NITRAGIN
PURE CULTURE
THE SIMPLEST SAFEST AND SUREST SYSTEM OF SOIL INOCULATION FOR ALL LEGUMES
AWARDED GOLD MEDAL, ST. LOUIS, 1904

A legume-inoculating material manufactured under a late German (Nobbe-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. "Nitragin Pure Culture" is put up in round tin cans, in three sizes — **garden one-half acre, one acre, and five acres.** Full directions for use with each can. We can offer cultures for all the different legumes, including Alfalfa, Clovers, Cow Peas, Soja Beans, Vetches, etc., etc.

Price, Garden size can, 30c; ½ acre can, 50c; 1 acre can, $1.00; 5 acre can, $4.00; 10 acre can, $7.50.

Vaughan's Seed Testing Labaratory is under the supervision of an expert Seed Analysist who, with assistants in the department, make 40,000 tests per year. WE TEST ALL OUR FARM SEEDS FOR PURITY AND GERMINATION.

See Pages 2 and 3. It pays to plant the best. V. S. S.

Market Subject to Change. Write for Catalogue Prices.

VAUGHAN'S SORGHUM CANE FOR SUMMER FODDER (See page 63)

OUR FARM SEEDS ARE CONTRACTED OR PURCHASED THEY ARE CLEANED, RE-CLEANED AND TESTED

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of the standard varieties and such new things as have been thoroughly tried and proven. "Miracle grains and Million Dollar" grasses are not to be found in our catalog, at least not under those names. Due to the location of our two stores we are in constant touch with the leading markets and conditions. With our favorable freight rates, either in carlots or less, and with the best shipping facilities in the United States, we are in a position to serve our customers as is no other house.

VICTORY OATS

American grown seed, raised from imported Swedish stock. The best of varieties for American conditions. Put out by the Swedish Society for the improvement of seed. The result of twenty-five years of scientific seed breeding. In season it is like Swedish Select. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff and firm.

Peck, 55c; bush., $1.,75; 10 bush., $16.00; bags free.

NOTE
IMPORTANT
Prices include Cotton sacks holding 2½ bushels of grain.

SEED BARLEY, SELECTED, RE-CLEANED

WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best six-rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain after many years' breeding and testing. By many trials throughout the middle western states, Wisconsin Pedigree has proved a greater yielder than all others. It is tall growing with plump grain, very stiff straw and large well filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, peck, 80c; bush., $2.75; 10 bush., $26.00; bags free.

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six-rowed variety, introduced in 1906 by the Wisconsin Agricultural Experiment Station. Particular attention has been given in recent years to breeding. A large percentage of the Barley acreage in Wisconsin is now of this grain. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister. Average yield of five to ten bushels more per acre than other six-row sorts was reported on a series of tests. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is an excellent sample, Wisconsin-grown, produced from seed secured from the Wisconsin Experiment Station.

Price, peck, 80c; bush., $2.75; 10 bush., $26.00; bags free.

MANSHURY BARLEY This is a standard six-rowed Barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw, bearing long plump heads. The grain is large and has no superior for malting.

Price, peck, 80c; bush., $2.75; 10 bush., $26.00; bags free.

SUCCESS OR BEARDLESS This is the earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats. In stock-feeding it is of much more value than common barley as it may be fed without danger of injury to the animals. Yields always show some bearded plants, although our stock is exceptionally fine.

Prices, peck, 95c; bush., $3.25; 10 bush., $30.00; bags free.

WHITE HULLESS This variety is strictly a feeding sort. It has a grain like that of wheat. In feeding value it is almost equal to wheat and the yield is nearly twice as large. As a dry feed it has no superior. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.

Price, peck, $1.50; bush., $5.00; 10 bush., $45.00; bags free.

SAMPLES OF THESE FANCY OATS FREE TO PROSPECTIVE BUYERS

NEW WHITE KHERSON OATS

(Iowa 103)

The best variety to date on rich, heavy soils. In Iowa it is by far the most popular variety, as it produces a crop before extreme heat. It is fast superceding all other types in that state. In favorable cool seasons, on heavy soil, on account of its short straw, there is little loss from lodging. It is a white seeded selection of the Yellow Kherson, with the advantages of color and more recent selection. Extra early in season.

Price, peck, 55c; bush., $1.75; 10 bush., $16.00; bags free.

KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety, producing large yields. It matures in July and admits of harvesting before wild oats and other noxious weeds ripen and drop their seed. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color, which injures its market value.

Price, peck, 55c; bush., $1.75; 10 bush. lots, $16.00; bags free.

The Prices Printed Above Are Subject to Change as Market Fluctuates.

PURE FARM SEEDS

PLANT THE BEST

FROM THE MOST RELIABLE SOURCES WE STRIVE TO SECURE ONLY THE BEST

U. S. Government License No. G31074

Free Samples to Intending Purchasers.—Most of our seeds are grown especially for us. All are excellent samples, carefully re-cleaned and grown under our direct supervision from thoroughly reliable re-cleaned stock seeds.

Prices—The market on this class of seeds is changing constantly and prices given below represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices.

Quality considered, we can meet any competition.

VAUGHAN'S SEEDS FOR ALL ENSILAGE ARE THE BEST

OATS, VAUGHAN'S "SWEDISH SELECT"

Extra Heavy Re-cleaned Seed

Introduced a few years ago by the U. S. Department of Agriculture and to-day the most largely planted of all varieties in the Northern Central States. Briefly described the oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

Price, peck, 55c; bush., $1.75; 10 bush., $16.00; bags free.

OATS, BLACK VICTOR

The darkest of the Black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Northern grown seed.

Price, peck, 60c; bush., $1.75; 10 bush., $16.00; bags free.

WHEATS—Spring

U. S. Wheat Director's License—027830E

Fancy Northern Seed

On account of high value of wheat we ship in grain sacks only, for which there is a charge of 65c each. Write for latest "quantity" prices. Sow 1½ bush. to acre.

MARQUIS. In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out-yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself Marquis Wheat grades No. 1 almost every time. It won first prize for the best American wheat at all the International Shows the past three years. Wheat price changeable. Write for prices in quantity.

Price, peck, $1.25; bush., $4.50.

SASKATCHEWAN FIFE. A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat. **Price, peck, $1.25; bush. $4.50.** Write for latest "quantity" prices.

GOLDEN MILLET

BLUE STEM PEDIGREED. A heavy yielding variety, very popular in the Northwest. Heads are very large and well filled. Plants stool freely. Our seed is carefully selected.

Price, peck, $1.15; bush., $4.25. Write for latest "quantity" prices

MACARONI OR DURUM. We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts.

Price, peck, $1.10; bush., $4.00. Write for latest "quantity" prices.

SPRING EMMER

Incorrectly called "SPELTZ"

A grain especially suited to dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high. Sow 1½ bu. to acre. **Price, lb., 12c; 3 lbs., 40c; bush.,** (40 lbs.) **$2.50; 5 bush., $11.00.** Bags free.

SPRING RYE

A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye. Sow about 1½ bu. per acre. Crop is very short.

Price, peck, 90c; bush., $3.00; 10 bush., $27.50. Bags free.

BUCKWHEAT

Write for "quantity" prices.

Sow after June 15. On worn-out soils, a plowed under buckwheat crop is a good fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE. Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed. (Bush. 48 lbs.) **Price, peck, $1.00; bush., $3.25; 3 bush., $9.00;** bags free.

SILVER HULL. A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. (Bush. 48 lbs.) Choice seed. **Price, peck, $1.00; bush., $3.25; 3 bush., $9.00;** bags free.

MILLETS

Grain Bags. 65c each, extra

GOLDEN. Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bush. 50 lbs.) Sow ½ bu. to the acre. Values constantly changing. Write for prices for quantities. **Choice seed, Price, bush., $3.25; 100 lbs., $6.00.**

HUNGARIAN MILLET. Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bush. 48 lbs.) Sow ½ bushel to the acre. Subject to market changes.

Price, Bush., $3.85; 100 lbs., $7.50.

JAPANESE MILLET. Entirely distinct. It grows 6 ft. high and yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, if broadcast, at the rate of 15 lbs. per acre but it is better to sow in rows 12 to 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds. Very scarce.

Price, lb., 20c; 10 lbs., $1.50; 50 lbs., $6.50; 100 lbs., $12.00.

PEARL or CAT-TAIL MILLET. No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 ft high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre.

Price, ¼ lb., 15c; lb., 40c; 10 lbs., $3.50; 100 lbs., $30.00.

☞ All prices quoted represent values when catalog went to press. Subject to market changes. Write for latest quotations.

PLANT THE BEST VAUGHAN'S TESTED

Field of Early Corn on the Vaughan Farm near Homewood, Ill.

PLANT CORN TO SUIT YOUR

OUR SEED CORNS, EARLY AND LATE DENTS AND ARE GROWN IN THE

MADISON YELLOW DENT

For the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan, this, we believe, is the best corn ever introduced. It matures in 100 to 106 days of ordinary corn growing weather, and is a magnificent yielder. The ears are a little smaller than Reid's Yellow Dent, but resemble that sort otherwise; they are 8½ inches long, and have 16 rows of deep set kernels arranged close together in even rows, but with space enough to permit perfect drying, a very essential point in northern corn. Our strain is grown on the Vaughan farms in Central Michigan and Northern Illinois, and by contract with expert growers in the same localities under our direct supervision. We have a good quantity of magnificent corn grown on our Central Michigan Farms. Germination about 100%. **Selected Ears, Price, bush., $4.75; 3 bush., at $4.50. Shelled and graded, ½ peck, 70c; peck., $1.20; bush., $4.25; 5 bush., at $4.00.**

MICHIGAN YELLOW DENT

A Central Michigan bred variety, in general characteristics quite similar to our Madison Yellow Dent, though it does not run as uniform in type. In season it is a 100 day corn in Michigan, slightly earlier than Madison Yellow Dent. The ears are red-cobbed, 16 rowed, with rather deep rough kernels. We have a nice lot of 96 and 98 % corn, grown in Central Michigan the past season. **Shelled and graded, ½ peck, 70c; peck, $1.25; bush., $4.00. 5 bush., at $3.75.**

When ready to buy write for latest Seed Corn List.

MADISON YELLOW DENT

ONE OF OUR CORN SUCCESSES

ABOUT OUR FARMS IN NORTHERN ILLINOIS AND CENTRAL MICHIGAN

It is now generally recognized by the leading agricultural specialists of the country that local seed corn or seed corn raised in an equivalent climate is the best to plant for any given locality, and that when local corn is not obtainable it is safe to plant only such seed as has been raised farther north, thus insuring maturity before frost. Our own farms in Central Michigan and Northern Illinois give us an immense advantage over other seed houses without such growing facilities, especially as regards the earlier Dent sorts. Many of this class we raise ourselves, and we keep practically informed through trials at these farms just what improvements and selections are being made in the different parts of the country. Our corns are field sorted, put in crates, hand sorted, then hung on hangers, and in off seasons artificially dried. Varieties we do not raise ourselves are produced by the most experienced and reliable growers we can find in the respective sections in which the different varieties and types do best.

DAKOTA YELLOW DENT

A very early Yellow Dent corn raised in North Dakota; matures in better than 90 days; ears 7 inches long; kernels quite hard; good for late planting in central locations. The yield may be increased by planting closer than is customary with Standard Dent sorts. **Dakota grown.**

Price, shelled, ½ peck, 70c; peck, $1.25; bush., $4.00.

GOLDEN SURPRISE

It is eminently well suited to be grown in localities south of a line from Cleveland, Ohio, to Peoria, Illinois. This sort is remarkable for its small cob and high shelling quality. Our seed is grown in central Ohio. **Price, shelled, ½ peck., 60c; peck, $1.00; bush., $3.75; 5 bush. at $3.50.**

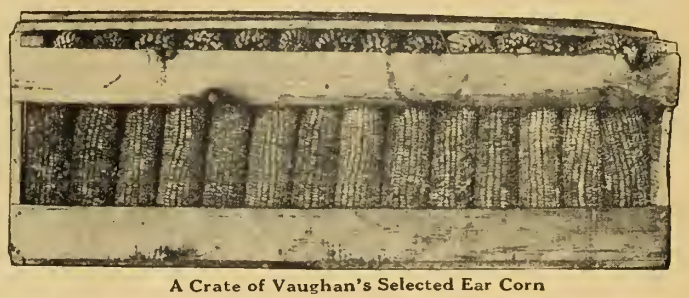
See Page 62 for Late Dent Corns, page 63 for Flint Corns, Sorghums, etc.

PURE FARM SEEDS

PLANT THE BEST

LOCALITY --- WE HAVE IT

AND FLINTS, ARE THE BEST BRED TYPES, DIFFERENT CORN SECTIONS



A Crate of Vaughan's Selected Ear Corn

PROFITABLE CORN GROWING

In applying business principles to Farming and especially to Corn Growing, it is well to ask, "where are the profits"? Land is worth so many dollars per acre per year; the time and labor spent in preparing the land, and later in cultivating, is an additional investment; these are items of expense which cannot be avoided and must be paid for whether the crop is good or a failure. Still it is in seed, the one factor on which crops and profits depend, that some short-sighted farmers seek to economize. Poor seed corn often means low germination and a poor stand, and the farmer handicaps himself at the start with a loss of 10% to 25%. He thus throws away what amounts to a business profit on a maximum stand. Poor seed corn means a poorly bred variety with many non-fertile stalks or small, poor yielding corn or corn with a large cob which shells out very little of the marketable product; sometimes it means corn which does not ripen and leaves the farmer at the end of the season with a worthless lot of soft, flabby ears. Wherever you get your seed corn, know what you are buying; know that it will grow; know that it is a profitable variety for your conditions and locality; make sure that you have a chance for a profitable crop.

When ready to buy write for latest Seed Corn List.

SILVER KING or WISCONSIN No. 7

SEE DESCRIPTION BELOW

MINNESOTA No. 13

This is known also as Wisconsin No. 8, and is a heavy yielding, very early Yellow Dent corn; matures in 90 days of corn-growing weather. This variety grows to a height of 8 feet on good soil and furnishes a great amount of fodder. The ears are 8 inches long, with 16 rows of kernels and taper to tip; the kernels show a good Dent type and are of fair depth. Although not yet as well bred as Madison Dent, it is about 10 days earlier.

Minnesota grown, Selected ears, bush, $4.75; 3 bush, at $4.50. Shelled and graded, ½ peck, 65c; peck, $1.15; bush., $4.00; 5 bush, at $3.75. Nebraska grown, Shelled, ½ peck, 55c; peck, $1.00; bush., $3.50; 5 bush., at $3.25.

SILVER KING—or Wisconsin No. 7

This corn, introduced some years ago by Prof. Moore of the Wisconsin experiment station, is gaining in favor with corn growers. The ears have a good cylindrical shape, are about 8 inches long and usually have 16 rows of kernels which are deep set, and just thick enough to permit rapid ripening. This is an excellent corn for central and southern Wisconsin. Our corn is **Wisconsin grown** by a noted breeder in that state. **Price, Selected ears, bush., $5.00; 3 bush., at $4.75. Shelled. ½ peck, 75c; peck, $1.25; bush., $4.50; 5 bush., at $4.25.**

GOLDEN GLOW — Wisconsin No. 12

Is a fine product of "Minnesota No. 13," crossed with "North Star." It is very early and develops ears of good size, 8 inches in length, slightly tapering. The kernels are of medium depth, slightly rough. The cob is large enough to aid early drying, but is not too large. This is a very strong growing plant with plenty of foliage, which enhances its value for fodder. **Wisconsin grown. Price, Selected ears, bush., $4.75; 3 bush., at $4.50; Shelled, ½ peck, 70c; peck, $1.20; bush., $4.25; 5 bush., at $4.00.**

The best Commercial Fertilizer for all farm crops is Vaughan's 3-8-1. See page 125.

PRIDE OF THE NORTH

This is the most extensively planted Yellow Dent corn in northern Illinois and Iowa. It is a standard early, and the seed which we offer is grown in eastern Nebraska. We find it evener in type, and earlier in season than much of the southern "Pride." The type varies, but usually has 16 rows of kernels on a cob, with tapering tip. **Nebraska grown. Shelled, ½ peck, 60c; peck, $1.00; bush., $3.50; 5 bush., at $3.25.**

PLANT VAUGHAN'S

Late Dent Seed Corn

PLANT VAUGHAN'S

We are pleased to announce that we can offer good stocks of Northern Grown Seed sufficient to meet the demand for carefully selected corn, sure to ripen in your locality. Many seed dealers offer Northern farmers seed corn secured from localities from which corn should not ordinarily be taken for Northern planting.

The fact is now well established that corn is very susceptible to Southern influence and is not safe to move North again after two years. Next Fall may bring early frosts and slow maturing corn will be caught. You will be safer in planting VAUGHAN'S GENUINE NORTHERN GROWN SEED than taking chances on doubtful varieties.

OUR CORN WILL GROW. WE TEST ALL SEED CORN WE HANDLE AND OUR TEST IS MARKED ON EACH BAG AND ALSO THE LOCALITY WHERE GROWN. Read the statement about our farms in Northern Illinois and Central Michigan on page 60. Send in your order as soon as possible before the Spring rush begins. We can give it prompt attention now and you will be able to get just what you want.

REID'S YELLOW DENT

(Standard Type) Pedigreed Seed

The great prizewinning Show Corn brought to Illinois in 1864, from Ohio. For Southern Iowa, Central Illinois, (see Northern Grown Reid's for North Central Illinois) Central Indiana, Kansas, Missouri and Nebraska this is the most satisfactory yellow Dent Corn to grow. We do not recommend this or any other variety on this page for Wisconsin, Michigan or similar latitudes. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is most accurately described as follows: Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between them; deep grains with small cob, well filled at butt and tip. Matures in about 115 days in Central Illinois. We offer a very choice selection of seed from pedigree stock selected for years, grown in Illinois by one of the best corn breeders in the United States.

Selected Ears, bush., **$4.75;** 3 bush. at **$4.50.**

Shelled and Graded, ½ peck, **75c;** peck, **$1.25;** bush. **$4.25;** 5 bush. at **$4.00.**

REID'S YELLOW DENT

Northern Grown

Ten days earlier than the Standard Type

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" north of Kankakee and La Salle Counties. This strain of "Reid's" differs from the standard type only in running slightly smaller and with larger cobs. Can be used in Cook County and westward and is the finest, highest grade yellow Corn which can be safely planted this far north. A very fine variety for ensilage planted north of this section.

Selected ears, bush., **$4.50.**

Shelled, ½ peck, **70c;** peck, **$1.20;** bush., **$4.00;** 5 bush. at **$3.75.**

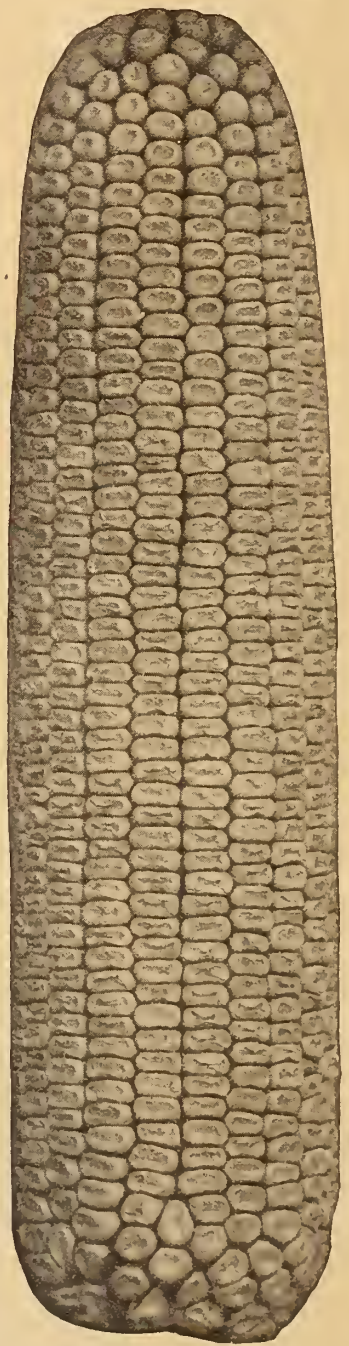
LEAMING IMPROVED

Probably planted over a greater area of country than any other sort on account of its great adaptability to various soil and other influences. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; wedge-shaped yellow kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; cob red, of medium size. Used a great deal for ensilage in New York and New England. Our seed is grown from prize stock in the central corn belt. The stalks are very leafy, so that it is one of the best fodder varieties.

Nebraska Grown—Shelled, ½ peck, **60c;** peck, **$1.00;** bush., **$3.50;** 5 bush. at **$3.25.**

I have been buying seeds from your house for over 15 years and have never received anything but the best. They have never failed to come up.

MRS. G. H. FARRAR, Myrtle Creek, Ore.



REID'S YELLOW DENT

BOONE COUNTY WHITE

The best type of the White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. This variety is also known as Johnson County White in Indiana, and is the great white show corn — having won more prizes than any other white corn. It also holds most of the high yields per acre records. Our Central Illinois grower, who raises this corn for us, has won many prizes. Pedigreed corn bred by ear to the row method.

Selected ears, bush., **$4.75;** 3 bush., at **$4.50.**

Shelled and Graded, ½ peck, **75c;** peck, **$1.25;** bush., **$4.25;** 5 bush. lots at **$4.00.**

IOWA SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical shape, tapering only a little at the tip, 18 to 20 rows; length 9 inches, circumference, 7¼ inches, kernels rough and deep, little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders.

Central Iowa Grown—Shelled and graded, ½ peck, **60c;** peck, **$1.00;** bush., **$3.50;** 5 bush. at **$3.25.**

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Ears average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as carefully bred as some sorts; however, it has good points. Our seed is carefully selected, grown by a noted breeder specialist on this.

Nebraska Grown—Shelled, ½ peck, **60c;** peck, **$1.00;** bush., **$3.50;** 5 bush. at **$3.25.**

HICKORY KING

Fine for the Southern States. Has been bred for small cobs and large kernels. **Northern Missouri Seed.**

Shelled, ½ peck, **60c;** peck, **$1.00;** bush., **$3.75;** 5 bush. at **$3.50.**

Our Seed Testing Laboratory is under the supervision of an expert Seed Analysist who, with assistants in the department, makes 40,000 tests per year. **We test all our farm seeds for purity and germination.** Our vegetable and flower seeds are tested for germination and later trials are made in our trial grounds, and inspection trips taken to the various parts of the United States where the crops are growing to produce our seed for next year. **We have the best.** We are always glad to give all the information we can regarding the seed we sell. Write us. We like suggestions, too, for the continuing improvement of our service.

LEONARD H. VAUGHAN, Vice-President

Flint, Fodder, Pop Corn, Sorghums, Etc.

EXTRA EARLY FLINT CORNS

Flint Corns are grown in the colder sections of the corn belt as they are earlier than the dent type. In the central belts they are used for late sowing, as they mature a crop when it is much too late to plant dent sorts. Equally as good as dent corns for silage purposes.

LONGFELLOW FLINT. A beautiful cob of rich, glossy yellow, and very long—10 to 15 inches. The stalks grow to the height of 7 to 7½ feet, and the ears are borne about 3 feet from the ground. This is a favorite with chicken raisers in the middle corn belt. **Shelled, ½ peck, 60c; peck, $1.00; bush., $3.50.**

GIANT LONG FLINT. A tawny, smoky white sort, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are 12 to 15 inches long, which is an unusual characteristic of this variety; and they are smooth and symmetrical. Stalks bear two to three ears. **Shelled, ½ peck, 60c: peck, $1.00; bush., $3.75.**

KING PHILLIP This is an extra early Red Flint sort. The ears are ten inches long and eight-rowed. On poor land it does much better in yield than most other sorts. **One of the very earliest field corns.**
Shelled, ½ peck, 60c; peck, $1.00; bush., $3.50.

WILL'S JEHU. Also known as North Dakota Yellow Flint. This is, perhaps, the earliest yellow flint corn that is valuable. The plant's average height is 5 feet, and the ears, which are 8 inches long, grow close to the ground. Dakota seed. **Shelled, ½ peck, 70c; peck, $1.25; bush., $4.00.**

SMUT NOSE FLINT The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are ten inches long and large around, very vigorous in growth, producing a good amount of fodder. **½ peck, 60c; peck, $1.00; bush., $3.75.**

BLACK BEAUTY
Pop Corn

FODDER CORN

The recent vast increase in planting corn for fodder has been mostly due to substitution of this crop when too late for other things. Results have clearly shown that fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder, practices varying in different localities. In Canada and New England a flint variety like Longfellow is most in use; farther south the Early Dents. In the Central belt Southern grown ensilage corns are planted. Sweet corn is used in most dairying regions.

RED COB ENSILAGE or FODDER. This selection has a great reputation. Has a deep red cob, strong leafy stalks and short joints. **Southern Grown. Peck, 90c; bush., $3.00.**

VIRGINIA MAMMOTH WHITE HORSE TOOTH. Small stalk, vast quantity foliage, short joints, kernels large and white. **Peck, $1.00; bush., $3.25.**

SWEET FODDER. A great dairy feed. Nothing better for summer and fall green feed, or curing for winter, than sweet corn. **Peck, $1.50; bush., $5.00.**

POP CORN

Selected Ears For Seed

BLACK BEAUTY (New). An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black it pops a pearly white. Extremely early, ripening so it may be popped the same year as grown, without kiln drying.
Pkt. 10c, lb. 25c; 5 lbs. $1.00; 10 lbs. $1.75; 100 lbs. $15.00.

JAPANESE DWARF RICE. Very tender and almost hulless. Ears short and chunky. Heavy yielder. We regard this as the coming commercial variety. Crop very short. **Pkt. 10c; lb. 20c; 10 lbs., $1.75.**

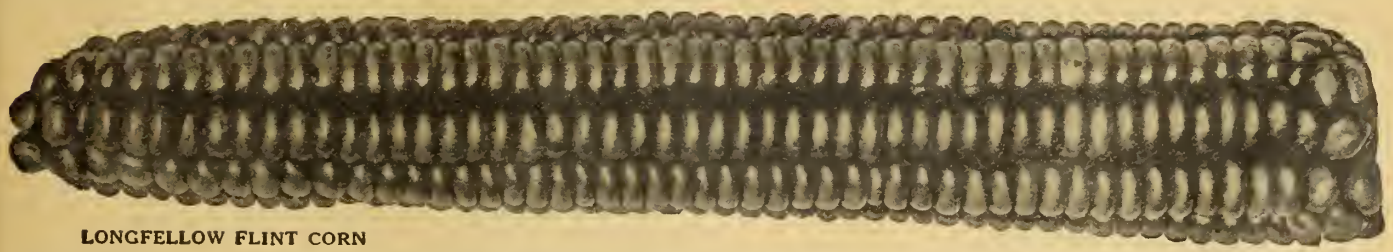
Price of any of the following kinds of Pop Corn, Pkt 5c lb 20c, 5 lbs 90c, 10 lbs $1.75, 25 lbs. $3.75, 100 lbs. $12.00.

ILLINOIS SNOWBALL An improved variety, very prolific; a fine sort for home use.

WHITE RICE Most popular, grain pointed, pops white, and full.

MAPLEDALE PROLIFIC A great yielder, it pops pure white.

QUEEN'S GOLDEN It pops perfectly white and a single kernel will expand nearly one inch.



LONGFELLOW FLINT CORN

Market fluctuates. Write for latest prices.

SORGHUMS, KAFFIR, MILO, CANE, BROOM CORN

Prices quoted include cost of bags.

VAUGHAN'S EARLY AMBER CANE The value of Sugar Cane as a green fodder crop is appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre with a small investment for seed. Sow 60 pounds to the acre.

Northern Seed, pkt. 5c; lb. 15c; 10 lbs, $1.00; 50 lbs. $4.00; 100 lbs. $7.00.

Southern Seed (for fodder) 10 lbs. 70c; 50 lbs. $3.00; 100 lbs. $5.50; bags free.

FETERITA Earliest of the drought resisting sorghums. Outyielded all other sorghums during the past dry summer in Kansas. Worthy of a trial in Northern sections.
Price, lb. 15c; 10 lbs. 70c; 50 lbs. $2.75; 100 lbs. $5.00.

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs. per acre.
Pkt. 5c; lb. 15c; 10 lbs. $1.00; 50 lbs. $4.00; 100 lbs. $7.00.

KAFFIR CORN One of the best forage plants. Preferred by some to Cane. Grows four to five feet high. For fodder sow 40 lbs. per acre broad-cast. **Pkt. 5c; lb. 12c; 10 lbs. 60c; 50 lbs. $2.50; 100 lbs. $4.75.**

MILO MAIZE Yellow variety of sorghum, non-saccharine, stalks 8 to 10 feet high. It stands dry weather and makes its crop where corn would fail Plant in 3-foot rows and cultivate as corn, 3 to 5 lbs. per acre. **1 lb. 12c; 3 lbs. 30c; 10 lbs. 65c; 50 lbs. $2.50; 100 lbs. $4.75.**

FETERITA

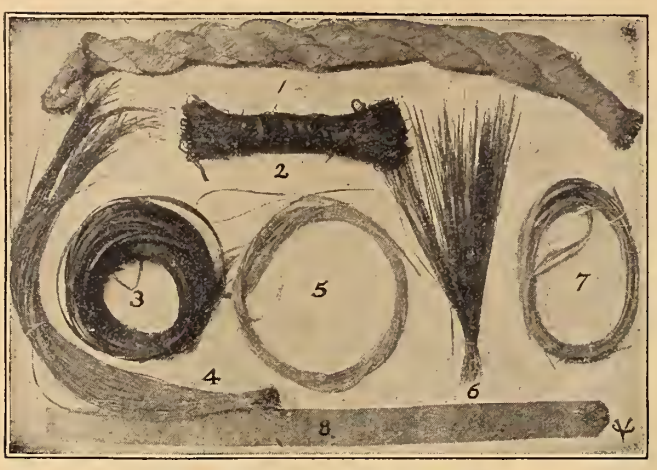
IMPROVED EVERGREEN BROOM CORN The most popular variety in the Western broom corn-growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.
Western Grown, Price, lb., 15c; 5 lbs., 45c; 10 lbs., 85c; 50 lbs., $3.25; 100 lbs., $6.00.
Illinois Grown, lb., 20c; 10 lbs., $1.35; 100 lbs., $11.00.

OKLAHOMA DWARF BROOM CORN An extra early sort. Height 5 ft.
Western. Price, lb., 15c; 10 lbs., 80c; 100 lbs., $6.00.

SUDAN GRASS Closely related to the cultivated sorghums; of value particularly in the dry Middle West as a drought resisting hay crop. In the Eastern and Central Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised as with cane and other sorghums in turning cattle on to second growth.
Price, lb., 25c; 10 lbs., $2.00; 100 lbs., $17.00.

Culture of Sudan Grass—Sudan grass may be sown either drilled or broad cast. If planted in rows, the rows should be as close as possible and yet permit of easy cultivation. In 30-inch rows, 3 to to 4 pounds of seed per acre is ample, and under conditions of low rainfall this method is recommended. Under irrigation, 18-inch rows are preferable, and 4 to 6 pounds of seed per acre is sufficient.

For broadcasting, 20 pounds of seed per acre should be used. The seed should not be sown until the ground is warm, that is, about the time for planting corn. The young plants will withstand slight frost without injury.



MATERIALS FOR BASKET MAKING

1—Raffia Braid; 2—Raffia Colored; 3—Indian Splint; 4—Sweet Grass; 5—Round Reed; 6—Pine Needles; 7—Flat Reed; 8—Wood Ribbon.

On all following Basketry materials add postage to your order if to go by parcel post.

RAFFIA FIBRE FOR BASKETS, ETC.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Colored, bunch (about 1 oz.).....**$0.10** | **Mixed Colors,** bunch (1½ ozs..) **.$0.10**
Colored, per lb..... **1.15** | **Mixed,** per lb..... **1.00**
Natural Color, Best Grade.....1½ oz. bunch, **10c;** 1 lb. **.70**
Needles, for Raffia Work.....per package **.25**

REEDS (RATTAN)

Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Island. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

Sample card mailed upon request.

	Bunch	½ Lb.	Lb.		Bunch	½ Lb.	Lb.
No. 2....	$0.15	$0.65	$1.25	No. 5....	$0.15	$0.55	$1.00
No. 3....	.15	.63	1.15	No. 6....	.15	.55	1.00
No. 4....	.15	.60	1.10	No. 7....	.15	.50	.90

By parcels post, postage extra.

FLAT REEDS

Size, ⅜ inch.....Bunch, **15c;** ½ lb., **50c;** lb., **90c**

INDIAN SWEET GRASS

Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. It possesses a delightful fragrance.

Oz., **15c;** ½ lb., **$1.00;** 1 lb., **$1.90.**

BASKET BOOKS, Postpaid

Basket Making. Morse. Paper, 32 pages, illustrated. For beginners....**$0.50**
How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated..... **1.50**
Raffia and Reed Weaving. Knapp. Cloth. 132 pages, illustrated..... **.60**
Indian Basketry. James. Cloth. 402 pages, illustrated..... **2.75**
More Baskets and How to Make Them. White. 157 pages..... **1.50**

FARM BOOKS

Alfalfa by F. D. Coburn.....**$0.80**
Farm and Garden Rule Book by Bailey; cloth, 587 pages..... **2.60**
Irrigation for the Farm, Garden and Orchard by Stewart..... **1.60**
Prices include postage.

Thank you for your care and promptness in filling my order foa bulbs and plants received in fine condition. We have ordered seeds and plants of your house for over twenty years and have yet to find any fault.
P. F. COMSTOCK, Maukato, Minn.

BOOKS

Prices quoted below include postage, and are subject to change without notice.

Alfalfa. F. D. Coburn. Illustrated. Cloth; 164 pages.....**$0.80**
Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages.... **.80**
Asparagus Culture. Barnes & Robinson..... **.75**
Back Yard Farmer, The. B. J. Willard Bolte. Cloth..... **1.25**
Berry Book, The Biggle. Cloth; 126 pages..... **.65**
Bulbs and Tuberous Rooted Plants. Allen. Cloth..... **1.80**
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Chrysanthemum, The. By Arthur Herrington. Cloth; 160 pages..... **.80**
Commercial Carnation Culture, J. H. Dick. Illustrated. 260 pages, **1.60**
Cook Book. Vaughan's Vegetable. Paper, 30c; cloth..... **.60**
Farm and Garden Rule-Book. Bailey. Very useful for fruit growers, truck gardeners, farmers, florists, etc. Cloth; 587 pages..... **2.60**
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Fertilizers. Gregory. Paper..... **.65**
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Fruit Growing, The Principles of. L. H. Bailey. Cloth; 514 pages.... **2.10**
Fruit Growing, Amateur. (Small Fruits.) Green Paper; 137 pages..... **.60**
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Ginseng, Its Cultivation, Harvesting, Marketing. Cloth; 40 pages.... **.80**
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Greenhouse Management. L. R. Taft. Illustrated. Cloth; 375 pages.. **2.10**
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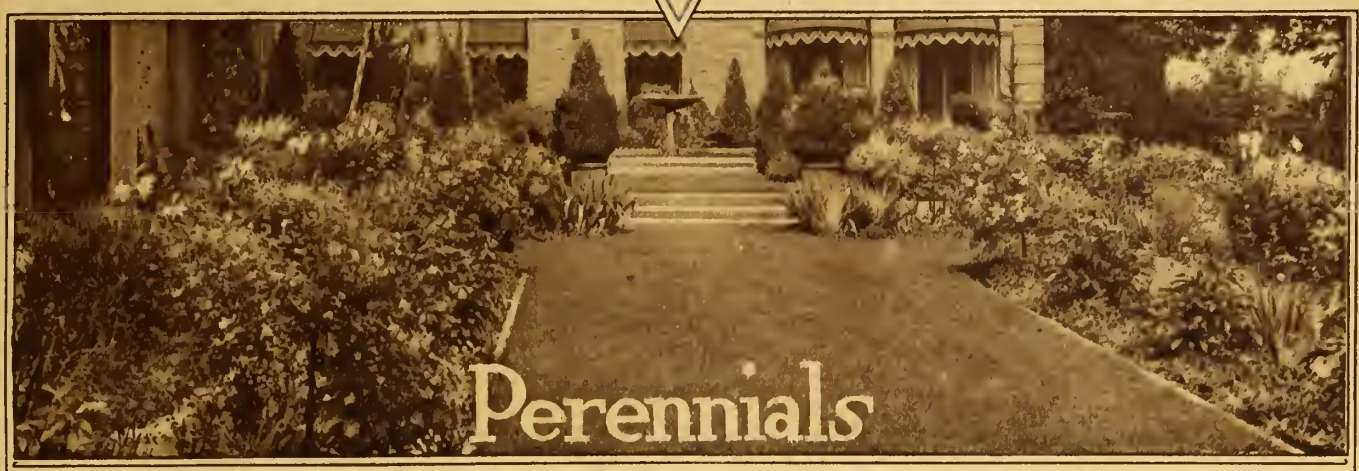


Perennials

Perennials and Lawn

IT IS the charm of a perennial planting that its occupants become old friends. Once established, the flowers remain as long as they are wanted and year after year we greet them at the same time and in the same place.

Yet such a border is ever changing. Each flower has its season, when it buds, blossoms, and finally exhausts its glory and retires for a long rest. As a sun-dial counts the shining hours, the perennials mark the passing of the pleasant days, from the time of the earliest crocus to the last courageous chrysanthemum which though it defies the early frosts must finally succumb to the approaching winter.

Because of their permanence, we rely on hardy perennials for the most part to supply color in the ornamental planting of the home grounds. They permit of carefully planned effects, which are not disturbed from year to year. Hardy flowers require little more care than shrubs. Of flowers like these, our grandmothers made their "old fashioned gardens," but there is nothing old fashioned about the modern perennials. In no other class of plants have hybridizers worked such miracles of improvement in size and color variation. Each year adds to the wealth of material with which the discriminating gardener may create visions of delight.

Planning the Perennial Border

BECAUSE of the variation in blooming season and the wide range of colors, the arrangement of a perennial border is in itself an art. By skillful planning, the border may be made to present from May until October a continuous show of blossoms, of colors that harmonize. The plants which may be used vary not only in color but in size, from the tiny Iceland poppies that hug the ground, to stately delphiniums, 6 feet tall. For the planning of a perennial border which will provide a succession of bloom and correct color harmony, an exact knowledge of the plants to be used is required. And for the experienced gardener such arranging and rearranging affords keen pleasure.

For the beginner, who desires to acquire familiarity with the material before venturing upon an original plan, we offer a collection and planting plan. The rarer and higher priced varieties are omitted from this collection and a substantial reduction from the price of individual specimens is made. In purchasing perennials it should be remembered that a plantation is an investment. Not only is it unnecessary to renew the flowers year by year, but when once established they will multiply. It is best to take them up every few years, and divide them, using the surplus root sections to enlarge the border, or for new plantings, or to give to friends.

A Perennial Border for $25.00

105 Plants and a Planting Plan

This collection will fill space approximately 4 by 50 feet. With the plants a plan will be supplied in which the flowers are arranged for size, color and succession of bloom. The collection includes:

3 Dianthus Abbotsford, 4 Alyssum Saxatile, 3 Sweet Williams, 3 Aquilegia Longspurred, 3 Achillea The Pearl, 5 Delphinium Chinensis Blue, 4 Saponaria Ocymoides Splendens, 5 Coreopsis Lanceolata, 3 Echinacea Purpurea, 2 Aster Climax, 2 Aster Wells White, 4 Helianthus Multfl. Plenus, 3 Chrys. Maximum, 4 Heuchera Brizoides, 4 Funkia Variegata, 2 Anthemis Kelwayi, 2 Pentstemon Torreyi, 2 Foxgloves Purple, 2 Iris Mme. Pacquette, 5 Phlox Ant. Mercie, 6 Physostegia Virginica, 4 Iris Black Prince, 4 Gaillardia Grandiflora, 5 Eupatorium Coelestinum, 6 Iris Rhein Nixe, 5 Phlox Jeanne d'Arc, 4 Veronica Spicata, 6 Veronica Spicata Alba.

In sending orders for this collection refer to it as Special Perennial Collection R.

The Gorgeous Peony

THERE are among perennials some so gorgeous, of such wide range of color, that an entire planting may be devoted to a single kind. The most gorgeous of all is the peony. Its beauty is familiar to everyone; from late May until July it dominates the cut flower markets of the country. And yet it is the hardiest of plants and if it has a handicap, it is longevity. Once planted it lasts a lifetime, but like animals that are long-lived, it matures slowly. It is important therefore to buy plants that you can depend upon.

While the glory of the peony may be seen from afar, for the more intimate nooks of the garden, the Iris is ideally fitted to provide colorful charm. Its orchid-like flowers have the most delicate tinting and must be examined at leisure and at close range to be fully appreciated. So great is the range of colors that extensive planting may be made without fear that observers will be wearied by lack of variety.

The Hardy Phlox

WHERE an effect of strong, solid color against a back-ground of shrubbery is desired there is no better way of obtaining it than by a planting of hardy phlox. Improvements in recent years have remarkably increased the size, and the brilliancy and variety of colors, obtainable in these flowers. Their long blossoming season makes them peculiarly fitted for use in the landscape where they add a delightful note to the permanent character of the planting.

A Garden of Iris

Annuals

Both Cosmos (the double variety illustrated at the left) and California Poppies (illustrated at the right) may be grown successfully in permanent beds where they will seed themselves. In the early spring the seedlings should be carefully thinned.

IT may be safely said that among the flowers familiar to the average amateur, those whose names arouse pleasant memories, whose beauty and fragrance have fond associations, a majority belong to the class known as annuals, which are grown from seed each year.

They grew in the gardens of our childhood, and they are the chief dependence of most gardens today, for among them will be found one or more varieties suitable for every kind of soil and location. There is some annual to brighten the spot where no other flower will grow, and others which no garden, however favorable its cultural conditions, can do without.

The tenant, in a rented dwelling, may decorate with annuals at small expense, grounds in which he does not care to invest the cost of more permanent planting. The owner of a new house, who is setting out shrubs and hardy flowers which cannot be expected to blossom the first season, may obtain with annuals immediate effects which will make the first summer in the new home more delightful.

Even in the perennial border of long standing, where hardy flowers have reached maturity, and a succession of bloom throughout the season is well provided, there will still be gaps which certain annuals can fill best of all; and there are few perennial color schemes which the brilliant or more delicate shades of carefully selected annual flowers will not improve.

Their Use in Permanent Beds

ANNUALS are indispensable for providing cut flowers, to use for indoor decoration, as they are far more productive than the perennials. And many of them may be established in permanent beds where they will seed themselves and with a little more care in thinning out will come up year after year as reliably as hardy flowers. Petunias, cosmos and California poppies are successful in this use.

The list of annuals, given elsewhere in this catalogue, is far too long to permit the discussion of any considerable number here. But the names of mignonette, pansies, marigolds, nasturtiums, sweet peas, asters, zinnias, candytuft, alyssum — all favorites for generations — will awake memories in most of us. They may be grown today in many wonderful colors, and improved size, and among them probably every gardener will recognize those without which his garden would be no garden; varieties made precious perhaps by cherished associations or loved for a beauty which no others seem quite to equal. What ever else is sacrificed, place must be made for these, and it should be given where the sun will shine freely upon rich, mellow, well drained soil and water may be plentifully provided.

Producing Flowers for Cutting

ONE of the best flowers for providing cut blossoms is the sweet pea. Success with it requires careful attention, which it well repays. The delicate texture and flawless perfection of the sweet pea blossoms are equaled by few outdoor grown flowers, while their soft, deep shades combine harmoniously with indoor color schemes.

For large flowers, profusely grown, giving the effect of massed color, both in the garden, and (as cut blossoms) in the house, the "China" aster is not surpassed.

The large flowering gypsophilla, sown at intervals through the summer, will supply a cloud of white to the boquet cut from the garden. Fragrant pinks, Virginia stocks, phloxes, all have their place, which nothing can fill. The very names of many annuals are full of sentiment: Love-in-the-mist, mourning-bride, baby's breath, love-lies-bleeding, forget-me-not—all are the inheritance of generations of gardeners.

At the base of this wall Petunias are effectively used in a permanent border.

GENERAL LIST OF ANNUAL FLOWERS

The following pages contain our list of **Annual Flower Seeds.** Perennial Flower Seeds will be found on pages 95 to 113, inclusive, combined with the perennial plants, which arrangement will facilitate the ordering of either or both.

The FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

⊙ **Annuals.** These attain full growth from seed, flower and die first year.

⊙⊙ **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early.

Greenhouse Plants. Start inside and cultivate in pots, or else, transplant outside when danger of frost is over.

Stove Plants. To be grown inside all the year round for pots only.

Climbing Plants.

6 Pkts. **"Say it with Flowers"** **50c.** *Regular Price 65c.*

The **"Friendship Garden,"** whose treasures are gifts from the garden of one's friends, or are of their choosing, is an idea long in favor with garden lovers. One never wanders through among one's flowers without renewing happy associations—"Mary gave me this" or "John sent me these!" How often one hears this. There are few gifts that keep one's memory green the season through like that of flowers or seeds or plants.

For the convenience of customers who would like to **"Say it with Flowers"** we are offering from our **finest strains** of easily grown flower seeds a **"Friendship Collection"** to be mailed with your card to some flower-loving friend. We have combined them at a special price, so we can make no change in the varieties.

VAUGHAN'S Friendship Collection { **Colossal Zinnia Mixed** | **Special Mixture of Single Poppies** | **Special Mixture of Strawflowers** | **Giant Pansy Mixture** | **Giant Branching Asters, Mixed** | **Special Mixture of Tall Nasturtium**

Every one of these, the "best of its kind," a collection of flowers that can be grown in any garden anywhere, we will mail this collection with your card if for a friend, to any address in the United States or Canada for **50 cents.**

55 **ABRONIA Umbellata Grandiflora (Sand Verbena)** ⊙ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright rose with white center; it delights in a dry poor soil and sunny situations on rockwork. Pkt. 10

58 **ABRUS Precatorius (Crab's Eye Vine or Weather Plant)** ⌒ § 12 ft. This beautiful plant has created a great sensation. If the leaves stand upward the sky will be cloudless; if they stand out straight, changeable weather is indicated; when the leaves hang straight downward, water may be expected to fall in torrents. A local storm is indicated by the curling together of the leaves. Bears clusters of bright yellow flowers, followed by pods with brilliant red seeds used for making beads, etc. Seeds should be soaked in lukewarm water before planting. Pkt. 10 ..... oz. 75c

62 **ABUTILON, Royal Prize (Flowering Maple)** ⌒ 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt. 15

92 **ACROCLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing graceful daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets. ¼-oz. 20c 05

93 **Roseum Flore Albo.** Graceful white daisy-like flowers with yellow center. ¼-oz. 20c 05

94 **Roseum Flore Pleno.** Double pink. 10

95 **Roseum Flore Albo Pleno.** Double white. 10

96 **Roseum Single Mixed.** 05

97 **Roseum Double Mixed.** 10

110 **AGAPANTHUS Umbellatus.** ⌒ 1 ft. Bright blue flowers produced in clusters on long stems. Water freely. 15

For other Everlastings, see Gomphrena, Helichrysum, Rhodanthe, Statice and Herauthenum.

Ageratum ⊙

One of the best summer blooming plants grown from seed. They are rapid growers early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

112 **Mexicanum Coeruleum** 18 in. Beautiful soft lavender-blue, of free branching habit. Pkt. ¼ oz. 10c 05

113 **—Album.** White. ¼ oz. 10c 05

114 **—Mixed.** ¼ oz. 10c 05

115 **—Nanum, Blue Perfection** 9 in. The darkest Ageratum grown from seed. 10

116 **—Nanum Luteum.** 9 in. Dwarf yellow. 10

117 **—Imperial Dwarf Blue.** 6 in. A charming variety, of fine compact growth, covered with heads of feathery flowers of a deep lavender color. ⅛ oz. 15c 05

118 **—Imperial Dwarf White.** 10

119 **—Little Blue Star.** 4 to 5 in. Flowers open light blue with purple center and develop to a bright blue self. 15

120 **—Little Dorrit.** 6 in. Dwarf bluc. 10

128 **—Princess Victoria Louise.** 6 in. Bushy plants covered with sky blue flowers with white centers. ¼-oz. 20c. 10

129 **Lasseauxi.** 3 ft. Clusters of handsome rose colored flowers. 10

131 **Wendlandi Nanum Compactum Album.** 6 in. White flowers produced through the entire summer. 10

135 **AGROSTEMMA Coeli (Rose of Heaven)** ⊙ 1 ft. Remarkably pretty hardy annual of light graceful habit; flowers light rose, shaded white. This is an annual which should be sown in the vegetable garden (as you would radishes), at different intervals, and a continuous supply of lovely cut flowers can be had all summer. ½ oz. 25c 10

136 **AGROSTIS Nebulosa (Cloud Grass)** ⊙ 1½ ft. An airy and graceful annual grass, looks like a line of mist when in bloom. Beautiful to mix with cut flowers. 10

150 **ALONSOA Warscewiczi** ⊙ 15 in. A fine plant with bright vermilion-scarlet flowers, suitable for bedding. For a red, white and blue border plant Alonsoa for red Alyssum, Sweet for white and Ageratum Blue Perfection for blue, ⅛ oz., 15c 10

Alyssum ⊙

159 **Benthami Maritimum (Sweet Alyssum)** This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb. $2.25; ¼ lb. 60c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c. 05

160 **Vaughan's Little Gem, Snow-white Carpet Plant.** The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful snow white carpet. Our strain of this is unquestionably **the best in the world,** one plant like another, absolutely perfect. 1 oz. 80c; ½ oz. 40c; ¼ oz. 25c. 10

161 **Alyssum Compactum Lilacinum, Lilac Queen.** Distinct variety with delicate lavender flowers. Very dwarf 10

ANTIRRHINUM (Snapdragon)

Amaranthus ⊙

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming. Pkt.

170 **Atro-purpureus** 4 ft. Beautiful dark purple flowers.... 05
171 **Caudatus (Lovelies bleeding)** 3 ft. Drooping red spikes.. 10
172 **Cruentus (Prince's Feather)** 3 ft. Dark red feathery flowers.....¼ oz. 25c 10
173 **Salicifolius (Fountain Plant)** 3 ft. Willow-leaved. Graceful red and yellow foliage of drooping habit..... 10
175 **Tricolor (Joseph's Coat)** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold.....¼ oz. 15c 05
176 **Tricolor Splendens.** Flowers exceedingly bright. ¼ oz. 25c 10
180 **Fine Mixed.** Many others.....1 oz. 25c 05
181 VAUGHAN'S SPECIAL **Vaughan's Special Mixture.** A well balanced mixture of the above and others. ¼ oz. 25c..... 10
194 **AMMOBIUM Alatum Grandiflorum** ⊙ 2½ ft. This pretty white Everlasting should be in every garden. Grows also in sandy soil.....½ oz. 25c 10
200 **ANAGALLIS Grandiflora Mixed** ⊙ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots.....¼ oz. 25c 10
201 **ANCHUSA Capensis (Summer Forget-me-not).** 1 ft. A beautiful border plant producing branched heads of flowers resembling large Forget-me-nots, deep sky-blue with white eye. If sown in April will be in bloom by July 10

In the case of very hard-shelled seeds it will be found a good plan to steep them in tepid water for some hours, previous to sowing, as this will hasten their germination.

Antirrhinum (Snapdragon) ⊙

For gorgeous coloring few flowers can match **Snapdragons.**
The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed.
If intended for winter flowering inside, cut back in September.

Tall Giant Flowering 24 to 36 inches

241 **Queen Victoria.** White shaded cream, with lemon-colored lip.
242 **Golden King.** Yellow.
244 **Fascination.** Delicate rose with white throat.
245 **Rose Queen.** Brilliant rose pink.
246 **Apple Blossom.** A charming pink shade on a white ground, with a white throat.
247 **Coral Red.** Dark rose.
248 **Delila.** Carmine and yellow with white throat.
249 **Brilliant Scarlet.**
250 **Butterfly.** Striped.
252 **Maximum, Purple King.**
Any of above Pkt., **10c**; any 3 for **25c**; each ⅛ oz., **25c.**
254 **Majus Grandiflorum Mixed**.....¼ oz., **20c**; pkt., **10c.**

Semi-Tall Sorts 18 to 20 inches

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

255 **Amber Queen.** Canary yellow overlaid chamois pink, gold lip.
257 **Black Prince.** Dark crimson.
258 **Aurora.** Cinnabar scarlet with white throat.
259 **Diana.** Rose pink with white throat.
260 **Fairy Queen.** Orange salmon, white throat.
261 **Golden Queen.** Rich yellow.
262 **Grenadier.** Vivid orange, white throat, yellow lip.
263 **Canary Bird.** A beautiful shade of light lemon yellow.
264 **Queen of the North.** Regular bushes covered with large white flowers.
Any of above, pkt., **10c**; any 3 pkts. for **25c.**

New Antirrhinum, Silver Pink

265 This delightful Snapdragon has been largely grown in greenhouses during the winter months by florists and gardeners throughout the United States. A splendid half-high sort with flowers of delicate silver pink..... Pkt. 25
266 **Semi Tall Sorts Mixed**.....¼ oz., 20c 5
270 VAUGHAN'S SPECIAL **Vaughan's Special Mixture of Snapdragons,** includes all these and many other charming varieties and a packet will furnish you with a never ending color combination of long stemmed cut flowers suitable for home, church or hospital decoration. 1 oz., **$1.25**; ¼ oz., **40c**; ⅛ oz., **25c**; pkt., **15c.**

Tom Thumb Varieties 8 inches

These Snapdragon grow about 8 inches in height, are splendidly suited for edgings

272 **Snow Queen.** Splendid for pots and edging. Beautiful white flowers all summer.....⅛ oz. 25c Pkt. 10
273 **Fireball.** The color is the most dazzling scarlet..... 10
274 **Tom Thumb Mixed**.....⅛ oz. 15c 05

240 **ANTIGONON Leptopus (Mexican Mountain Rose)§** Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink..... 10

Arctotis Grandis (African Daisy)

355 A remarkable handsome annual from southwest Africa. It forms much-branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals pale lilac-blue. There are few annual flowers grown in the garden more valuable for cut-flower work than the Arctotis. It is easily grown from seed, and may be started in hotbed, in the house or in the open ground, the seed germinating in about five days, and the plants may be expected to come into bloom early in July and continue until quite hard hard frost. It delights in a sunny situation. As a cut-flower it is especially valuable, the blooms lasting a week or ten days in water, and if undeveloped buds are cut and placed in a sunny window, every one will open and produce a fine flower as though left on the plant. ¼ oz., **40c**; pkt., **10c.**

356 **ARGEMONE Grandiflora (The Prickly Poppy)** ⊙ 2 ft. Lovely plants with an ornamental foliage and large handsome Poppy-like flowers, snowy-white filled in the center with golden stamens, very beautiful..... Pkt. 10
357 **ARTEMISIA Sacrorum Viridis (Summer Fir)** ⊙ Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich dark green color.. 15

384 **ASPARAGUS Plumosus Nanus (Lace fern)** ⌓ 3 ft. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. 10 seeds..... Pkt. 15

386 **Sprengeri (Emerald Feather)** ⌓ A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 10 seeds..... 15

389 **ASPERULA Azurea Setosa** ⊙ 1 ft. Pretty sweet scented annual with light blue flowers.....¼-oz. 10c 05

BABY BREATH. (See Gypsophila)

660 **BALLOON VINE (Love in a Puff)** ⊙§ A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-buds resembling minature balloons. The effect is most odd and curious. It is in every way a very attractive vine..oz. 30c 05

661 **BALSAM APPLE** ⊙§. 10ft. A very ornamental and quick growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow, looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood-red interior...oz. 40c 10

662 **PEAR.** Like above, only the fruit is pear-shaped. oz. 40c 10

663 **BALSAM, Apple and Pear Mixed**.....oz. 40c 10

Double Balsam (Lady Slipper) 1½ to 2 ft.

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion.

Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

Peace Collection

Vaughan's Balsams

One (10-cent) packet each
Red, White and Blue
Prepaid for..... **20c**

675 **Alba Perfecta.** Pure white.
676 **Lemon Yellow.**
677 **Flesh Pink.**
678 **The Queen.** Pale rose.
679 **Prince Bismarck.** Salmon pink.
680 **Crimson.**
681 **Crimson Spotted.**
682 **The King.** Brilliant scarlet.
683 **Atrosanguinea Plena.** Flowers and leaves, red.
684 **Solferino.** Striped lilac, white and scarlet.
685 **Lilac.** 686 **Dark Blue.**

Each of the above.....⅛ oz. 20c Pkt. 10

689 **Double Rose and Camellia-flowered Mixed**..½ oz. 25c 10

690 **Vaughan's Invincible Balsams Mixed.** Mixed from separate colors and includes everything that is desirable in Balsams.....¼ oz. 35c 15

691 **Dwarf Balsams Mixed** 8 in. Perfect little bushes with double and semi-double flowers, the colors are pretty and pleasing.....¼ oz. 25c 05

692 **Goliath White** 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups.....¼ oz. 30c 10

693 **Goliath Scarlet.** Extremely brilliant, large and very double.....¼ oz. 30c 10

694 **Giant Cream.** A beautiful, rich, creamy, primrose color. Exceedingly double and of fine robust form..... 10

695 **Giant Chamois Rose.** A most pleasing color, new..... 15

696 **BARTONIA Aurea** ⊙ 12 in. One of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Sow in the open ground early in May. Blooms through summer and fall.....½ oz. 25c 10

Begonia Semperflorens

Ever-Blooming Bedding Varieties

A continuous-flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

700 **Erfordia.** A very pretty variety, densely covered with handsome flowers of a delicate rose color..... Pkt. 20

701 **Gracilis Luminosa.** Large bright scarlet flowers..... 25

702 **Gracilis Prima Donna** 1 ft. Forms a broad, full bush with dense foliage. The flowers are a brilliant clear pink, shading to carmine rose..... 25

703 **Gloire de Chatelaine.** A very attractive plant. The flowers are brilliant pink and being a perpetual bloomer it makes a charming bedding or house plant..... 25

704 **Semperflorens Atro-purpurea Vernon.** Bright orange carmine flowers, deep red foliage..... 10

705 **Semperflorens Mixed**..... 10

BALSAM—Lady Slipper or "Touch-me-not"

Begonia—Continued ⌓ 8 to 10 in.

Tuberous-rooted Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias offered. For greenhouse decoration and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

706 **Melanie.** ⌓ The color is white, beautifully edged with pink Pkt. 25

707 **Single Tuberous-Rooted Mixed.** Saved from finest exhibition varieties, all having large well formed flowers of many brilliant shades of color..... 35

708 **Double Tuberous-Rooted Mixed.** Producing on strong erect stems an abundance of very double flowers ranging from brilliant rose to carmine, often with white margin or mottling, very striking..... 50

709 **Frilled Tuberous-Rooted.** Seed saved from selected, best frilled flowers..... 35

Bellis Perennis Fl. Pl. ♃ ☉

English Daisy. 6 to 8 in.

A low growing spring flowering plant. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed.

720 **Snowball.** Double pure white.....⅛ oz. 50c Pkt. 10

721 **Longfellow.** Double dark pink.....⅛ oz. 50c 10

722 **Double Choice Mixture**.....⅛ oz. 40c 10

723 **Mammoth White.** Larger than Snowball..... 15

724 **Mammoth Pink.** Larger than Longfellow..... 15

725 **Mammoth Mixed**..... 15

728 **Red, Double**..... 20

729 **Rosy White, Double.** Frilled..... 20

Bird of Paradise. (See Poinciana)

Brachycome (Swan River Daisy) ⊙ 12 in.

A free-flowering, dwarf-growing annuals; covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edgings, small beds or pot culture.

737 **White** 739 **Blue** 740 **Mixed**

Each of the above.....⅛ oz. 20c Pkt. 05

744 **BRIZA Maxima (Quaking Grass),** ⊙ 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion..... 10

Burning Bush. (See Kochia)

Brief Cultural Directions.—Sow in April indoors or in cold frame in pots or flats Transplant 1 inch apart when they have made third leaf. Plant out in May or early June. Prepare the beds by thoroughly spading over to a depth of one foot. Enrich the ground by the addition of **rotten manure** and **leaf mold** mixed through. Before planting it is advisable to soak the ground with a solution of one part of **Vermine** to four parts of water: this will rid it of all grubs, etc., that attack and destroy the young plants A foot apart is about the correct distance to plant, but it varies according to the varieties. Use the hoe or rake often and with care between the plants to keep down weeds and to prevent the surface baking. Water regularly. A later sowing can be made in May, out-doors

ASTER
Giant Ostrich Feather

VAUGHAN'S

Dwarf Section. Up to 10 in.

401 **Vaughan's Snowball.** The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequalled in any other dwarf aster.....⅛ oz. 40c — Pkt. 15

402 **Vaughan's Fireball.** The most brilliant dwarf aster. It forms a neat, well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots.....⅛ oz. 40c 15

404 **Boltze's Dwarf Bouquet. Mixed, all colors.** Pretty little plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. The flowers are the most distinct and delicate shade..... 10

405 **Gloria or Buttonhole.** Very branching and free blooming. The flowers, 1½ in. in diameter, are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases..... 15

406 **Dwarf Chrysanthemum Flowered, All Colors Mixed.** Of very compact growth; 3½-in flowers; free flowering and later than other varieties, therefore valuable for succession.....⅛ oz. 25c 10

Peace Collection — **Vaughan's Asters**

One 10 cent Pkt. each of Tall Asters

Red, White and Blue of any variety, **prepaid for 25c**

Semi-Tall Section. 11 in. to 16 in.

Daybreak (Improved American Victoria)

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

410 **Purity.** Pure white.....
411 **Daybreak.** Shell pink.....
412 **Salmon.** .....
413 **Rose**.....
414 **Blue**.....
415 **Lavender**.....
Each of the above.....⅛ oz. 30c 10
416 **Mixed all colors**.....⅛ oz., 25c 10

Giant Comet

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader.

431 **White**
433 **Queen of Spain,** soft yellow turning to flesh
439 **Shell Pink.**
435 **Rose**
437 **Crimson**
438 **Light Blue**
436 **Purple**
440 **Lavender**
441 **Dark Blue**
Each of the above.....¼ oz. 40c; ⅛ oz. 25c 10
442 **Mixed, all colors**.....¼ oz. 35c; ⅛ oz. 20c 10

The Mikado

Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl on each other in such magnificent disorder as to make the fluffiest aster we have ever seen.

480 **White**.....⅛ oz., 25c 10
481 **Pink Rochester.** Exquisite shade of shell-pink. The official flower of the city of Rochester, ...⅛ oz., 30c 10

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

485 **White**
486 **Flesh**
487 **Pink**
488 **Crimson**
489 **Scarlet**
490 **Light Blue**
491 **Lavender**
493 **Dark Blue**
Each of the above.....¼ oz. 30c 10
494 **Mixed, all colors**.....¼ oz. 25c 10

Tall Section 16 inches and up

Giant Crego

The most beautiful of the newer types of American Branching Asters. They unite the elegant grace of the European Comet with the robust vigor and long stems of the American branching varieties. The flowers are of immense size, usually measuring from four to five inches in diameter, and borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. The petals of the refined and beautiful flowers are most attractively curled and twisted, resembling choice Japanese Chrysanthemums. The plants are of strong branching growth and usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

515 **White**
516 **Shell Pink**
517 **Rose Pink**
518 **Crimson**
520 **Lavender**
Each of the above.....⅛ oz. 30c 10
521 **Azure Blue**
522 **Purple**
523 **Mixed, all colors**.....⅛ oz. 25c 10

524 **Crown Mixed.** Large flowered variety, each bloom of which has a clear white center. A most effective sort for cutting, as the stems are long and stiff.....⅛ oz. 20c 10

Vaughan's Excelsior Mixture of Dwarf Asters

VAUGHAN'S SPECIAL

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend planting our **Excelsior Mixture.** It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed especially selected for this mixture, insuring satisfaction to the grower.....⅛ oz. 50c; large pkt. 25c; pkt..... 15c

Our Asters are, with few exceptions, American grown. The culture of these glorious summer and fall flowers has absorbed the attention of the American seed growers for some years past and it has been proved our climate is ideal for the perfect growth of this family. With the perfect growth and giant size the seedsman has been encouraged to make selections of various characteristics which distinguish these types and now the American Asters resemble huge hothouse grown Chrysanthemums. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

ASTERS

Tall Section 16 inches and up continued

Vaughan's Giant Branching

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

540 **White** 545 **Crimson**
542 **Flesh Pink** 547 **Lavender**
543 **Rose Pink** 548 **Purple**

			Pkt.
Each of the above	oz. $1.50	⅛ oz. 25c	10
549 **Mixed, all colors**	oz. 1.20	⅛ oz. 20c	10

SPECIAL OFFER **Vaughan's Giant Branching Asters.** One (10c) pkt. each of 6 colors for 50c.

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

563 **White** 567 **Rose** 569 **Silvery Lilac**
565 **Soft Pink** 568 **Crimson** 570 **Dark Blue**
566 **Lavender**

Each of the above	⅛ oz. 30c	10
571 **Mixed, all colors**	⅛ oz. 25c	10
572 **Early Flowering Giant Ostrich Feather, White**		10
573 **Early Flowering Giant Ostrich Feather, Rose**		10

Soleil D'or

574 **Golden Sun.** This is the best yellow Aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow 15

The King

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

575 **White** 577 **Rose** 579 **Violet**
576 **Pink** 578 **Crimson** 580 **Lavender**

Each of the above	⅛ oz. 25c	10
581 **Mixed, all colors**	⅛ oz. 20c	10

The Royal (Early Flowering Branching)

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer.

585 **White** 587 **Rose Pink** 589 **Purple**
586 **Shell Pink** 588 **Lavender** 590 **Mixed, all colors**

Each of the above	⅛ oz. 25c	10

American Astermum

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form.

591 **Snow White** 592 **Rose Pink** 593 **Lavender**

Each of the above	⅛ oz. 30c	10

Other New American Varieties

595 **Lavender Gem.** One of the most charming sorts. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long firm stems ..... ⅛ oz. 30c 15

600 **Peerless Pink.** The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later. 15

CRANBURY, N. J., April 7, 1919.

Vaughan's Seed Store—

Dear Sirs: Last year the Aster seed I purchased from you was very satisfactory. The Dwarf Aster was pink. They were beautiful and unless you have a shade of crimson that are prettier, I would prefer the pink.

The dark shade of tall Asters that I purchased from you were handsome I hope I have selected the same shade. Yours respectfully,

MISS IDA BARCLAY.

Other New American Varieties—Continued

601 **Crimson Giant.** This shade has been one which has seemed to lack intensity of color, but in this variety the blood red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden ..... Pkt. 15

602 **Miss Roosevelt.** Primrose changing to flesh 10

610 **Sensation.** Bushy and branching plant about two feet high, flowers double and incurved, resembling a Dahlia and the flower a lively cardinal red. This is the very best of the red Asters and the flowers are wonderfully attractive in the garden and when cut and used under artificial light the effect is charming 15

Mixtures in Variety

611 **White Asters In Mixture.** Composed of all the tall growing white sorts ..... ⅛ oz. 25c 10

620 **Asters, Tall Mixture.** Many classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this, and the flowers will be in succession from early in the summer to late in the fall ..... 1 oz. 75c; ¼ oz. 25c 10

621 **Asters, Dwarf Mixture.** This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely ..... ⅛ oz. 25c 10

Single Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last a week when cut.

622 **White** 623 **Dark Blue** 624 **Pink**

Each of above	10
627 **Marechal Joffre.** A large flowered single red; excellent for cutting	15

Vaughan's Excelsior Mixture of Tall Asters

VAUGHAN'S SPECIAL

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of Tall Asters in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain ..... ⅛ oz. 50c; large pkt. 25c; pkt 15

CALLIOPSIS (Tickseed)

CALENDULA—Orange King

CANDYTUFT—Giant Hyacinth-Flowered

Browallia ⊙ 1 ft.

One of our favorite profuse blooming bedding plants covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

745 **Speciosa Major.** A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases... Pkt. 15

746 **Elata Mixed.** Blue and white..... 10

748 **BRYONOPSIS Laciniosa** ⊙ § 10 ft. An ornamental climber of the gourd family, bearing green fruit which change in color to bright scarlet striped white..... 10

750 **CACALIA** ⊙ 2 ft. **(Tassel Flower or Flora's Paint Brush.)** A very attractive border plant with brilliant orange-scarlet flowers, which are much prized for bouquets and vases..... ⅛-oz. 20c 10

755 **CALCEOLARIA Hybrida Grandiflora (Pouchflower). Fine Mixed.** 1½ ft. The gorgeous beauty of these flowers renders them indispensible for greenhouse decoration. Is not of easy culture, but a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigered or spotted. There is a great variety of shades and colors in various markings.....300 seeds 25

840 **CANARY BIRD VINE** ⊙ § 15 to 20 ft. A dainty vine with beautiful cut leaves and pretty delicate flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings expanded the plant obtained its common name. Does well in the shade.....½ oz. 15c; 1 oz. 25c 05

Calendula (Pot Marigold) ⊙ 1 ft.

One of the best and showiest free flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

766 **Officinalis, Orange King.** The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange.... Pkt ½ oz. 20c 10

767 **Officinalis, Sulphur Queen.** Large sulphur yellow..... 10

768 **Officinalis, Meteor.** Apricot-orange, striped primrose... 05

769 **Pongei Flore Pleno.** Double white flowers..... 10

770 **Mixed, all colors.** For woodlands, wild gardens and perennial borders.....¼ oz. 10c 05

CALIFORNIA POPPY. See Escholtzia.

WASHINGTON, GA., March 12, 1919

I am delighted with your very prompt service this season, and have recommended you to my friends who have been waiting for seeds since January (ordered from other houses). Yours truly,

MRS. EDGAR SMITH.

Calliopsis (Tickseed) 6 in. to 2 ft.

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colours are highly appreciated.

780 **Crown of Gold (Coronata Maxima.)** Splendid cut-flower. Pure golden yellow, 2 to 3 inches across, on long wiry stems; hardy and blooms nearly all season.... Pkt. 10

781 **Golden Ray** 6 to 8 in. Flowers golden yellow with dark purplish-brown center.....½ oz. 25c 10

782 **Drummondi, Golden Wave** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye....¼ oz. 10c 05

783 **Hybrida Superba.** Forms dense bushes desirable for pots, groups and borders.....½ oz. 25c 10

784 **Radiata Tigrinia (Tiger Flower)** 6 to 8 in. Flowers large reddish-brown, turning golden-yellow....½ oz. 25c 10

786 **Crimson King.** Large crimson flowers.....½ oz. 25c 10

787 **Golden King.** A fine golden yellow.....½ oz. 25c 10

788 **Tall Varieties, Mixed.** Valuable for wild gardens, etc., and for cutting.....¼ oz. 10c 05

789 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders.....¼ oz. 10c 05

790 **Double Mixed, all colors.**.....¼ oz. 20c 10

800 **Vaughan's Special Mixture Calliopsis.** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it.....½ oz. 30c 10

Candytuft ⊙

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting the flowers are greatly prized.

845 **Giant Hyacinth-Flowered White.** 1 ft. A grand border plant, bearing very large bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock.....oz., 85c.; ¼ oz. 25c Pkt. 10

846 **Empress.** Pure white, splendid cut flower....½ oz., 25c 05

850 **Queen of Italy.** 8 in. The plants form dwarf bushes covered with large pink blooms.....¼ oz. 25c 10

851 **Snowflake.** The very sweetest of all.....¼ oz. 25c 10

852 **Umbellata Carminea.** Carmine.....¼ oz. 20c 10

854 **Umbellata Purpurea.** Crimson.....¼oz., 20c 10

856 **Umbellata Lilacina.** Lilac. A particularly charming color.....¼ oz. 25c 10

857 **Dwarf Hybrids Mixed.** Plants of fine compact growth, covered with large flowers ranging in color from rose, salmon, coral pink and delicate blush, to lilac and purple crimson; valuable for borders and cutting ....¼ oz. 25c 10

860 **Mixed, all colors.** Lb., $1.80; ¼ lb., 50c; oz. 25c; ½ oz. 15c 05

CARNATION—Vaughan's Special Mixture

CARDINAL CLIMBER

THE CHINESE WOOLFLOWER

Canna 2½ to 8 ft.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. No park, no public garden, private estate or even moderate town plat is complete this summer without a showing of Cannas. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants may be produced at a much reduced cost.

For Canna **roots** and **plants** see our named list in back of catalogue.

900 **Giant Flowered, Mixed.** These are saved from our own collection at Western Springs..... 1 oz., 35c; ¼ oz. 20c — Pkt. 10

Cardinal Climber ⊙ § 25 ft.

901 This is a very attractive, strong and rapid grower, attaining a height of twenty-five feet with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. .....2 pkts., 25c; 5 pkts. 50c; 25 seeds, 15

Vaughan's Mixture of Annual Flower Seeds

For Cut Flowers

902 This will produce a glorious amount of flowers for cutting. We would suggest planting this in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged as the more one cuts the more one has to cut. The secret being not to allow any seed pods to form. ¼ oz., 20c; oz., 50c; large pkt..... 10

Carnations ⊙ ☉

The Carnation has long been prized as a hardy border flower, and it certainly deserves all the praise lavished upon it. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favourite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

910 **Chabaud Mixed.** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion.....100 seeds 15

911 **American Hybrids.** A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession.....35 seeds 25

914 **Marie Chabaud.** Pure canary yellow.....50 seeds 15

920 **Guillaud Riviera Market.** Nearly all double flowers of fine form and delicate shades, including yellow, all fragrant 25

930 **Giant Margaret Mixed.** Flowers of very large size, measuring 3 in. or more in diameter; colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support.....,100 seeds 15

CARNATION—Continued.

931 **Giant Margaret White**.....50 seeds 15

950 **Margaret, Double Mixed** 954 **Yellow** 958 **Striped**
952 **White** 956 **Pink** 960 **Red**
Each of the above.....Pkt. 10

975 **Vaughan's Special Mixture.** This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in Sept., potted and will bloom all winter in the house..100 seeds 25

Celosia (Coxcomb) ⊙ 8 in.

Cristata or Crested Dwarf Sorts

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

1010 **President Thiers.** Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs ..... Pkt. 10

1014 **Empress.** Blood red combs and brown foliage..... 10

1016 **Aurea.** Golden yellow combs.....⅛ oz. 75c 10

1018 **Rosea.** Pink combs.....⅛ oz 75c 10

1019 **Dwarf Mixed.** All the above and others.....⅛ oz. 30c 10

1021 **Tall Coxcomb Mixed,** 18 to 24 in.....⅛ oz. 20c 10

Plumosa or Plumed Varieties, 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

1022 **Plumosa Aurea.** Orange ostrich plume.....⅛ oz. 25c 10

1024 **Plumosa Coccinea.** Crimson ostrich plume ..⅛ oz. 25c 10

1025 **Plumosa mixed, all colors**.....¼ oz 15c 05

1026 **Plumosa Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias.....¼ oz. 25c 10

1027 **Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades..... 15

1028 **The Chinese Woolflower (Celosia Childsi).** Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet..... 15

1029 **Spicata.** Plants are erect and grow 3 feet in height, branching freely, each stem terminating in a round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver white, so that a fully developed spike resembles a slender silver plume with a bright carmine tip..... 05

1032 **Dwarf Plumosa Mixed**..... 10

CENTAUREA CYANUS—Bachelor's Button

CLARKIA—Double

CENTAUREA—Imperialis Giant Sweet Sultan

1039 **CENTAUREA Americana.** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy-lavender color.....½ oz. 40c — Pkt. 10

1040 **Americana Alba** ⊙ 2½ ft. Star Thistle. Immense heads of double fluffy blooms, almost pure white....½ oz. 50c — 10

Centaurea Cyanus (Bachelor's Button) ⊙ 2 ft.

Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes.

Single Flowering Varieties

1041 **White** ½ oz. 35c — 1043 **Dark Purple**
1042 **Blue Emperor** ½ oz. 20c; lb. $4.00 — 1044 **Rose**
Each of the above, packet 10c
1045 **Mixed, all colors**.....½ oz. 15c; ¼ lb. 75c — 05

Double Flowering Varieties

1047 **Blue.** — 1048 **Lawson Pink.** Each, oz. 60c; ¼ oz. 20c — 10
1049 **Double Mixed**.....½ oz. 25c — 10
1050 **Dwarf Victoria.** 9 in. Edging, blue..... — 10
1051 **Vaughan's Special Mixture of Bachelor's Buttons,** double and single varieties. 1 oz. 60c. — 10

Imperialis (Giant Sweet Sultan), 2½ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems; when cut will last for several days in good condition.

1064 **White.** — 1065 **Lilacina.** Dark Lilac.
1066 **Favorita.** Brilliant Rose — 1067 **Splendens.** Purple crimson
1068 **Rose and White.** Each of the above.....¼ oz. 20c — 10
1069 **Mixed, all colors**.....¼ oz. 15c — 10
1070 **Moschata Mixed.** Sweet Sultan, white, red and blue... — 05
1071 **Suaveolens.** Yellow Sweet Sultan.....½ oz. 30c — 05
1072 **Vaughan's Special Mixture of Centaureas** is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer.....½ oz. 40c — 10
1073 **CENTAUREA Candidissima** ⌓ 10 in. Thick silvery white leaves, used for bedding purposes..... — 10
1074 **CENTAUREA Gymnocarpa Dusty Miller** 1 ft. Foliage finely cut of silvery gray color, used for bedding..... — 10
1075 **CENTROSEMA Grandiflora Butterfly Pea.** ⊙§⌓ 10 ft. Sometimes called "Look at me" a hardy vine, blooms in July from seeds sown in April bears in profusion, inverted pea-shaped flowers; rosy violet to reddish purple in color — 10

Chrysanthemum, Annual Var. ⊙ 2½ ft.

Showy and effective family of plants of varied character extensively grown for cut flowers.

Single Flowering Varieties

1088 **Morning Star.** Primrose with golden yellow center.. — 5
1089 **Evening Star.** Large golden yellow flower....¼ oz. 15c — 5
1090 **Carinatum, Eclipse.** Yellow with dark brown disk..... — 5
1092 **Golden Feather.** Foliage striking yellow; flower with a crimson ring near center.....¼ oz. 15c — 5

Chrysanthemum, Single Flowering—Continued

1094 **The Sultan.** Crimson maroon.....¼ oz. 15c — Pkt. 10
1095 **Silver Queen.** Flowers pure white with a zone of clear bright yellow overlaid with silver.....¼ oz. 15c — 10
1095a **Mixed, Single Annual Varieties**..... — 10

Double Flowering Varieties

The coronarium varieties are dwarf selected strains of compact habit and with fine double flowers. They are most valuable border and bedding plants, and provide large quantities of cut bloom during the summer.

1096 **Coronarium, Double White**.....¼ oz. 15c — 5
1097 **Double Golden Yellow**.....¼ oz. 15c — 5
1098 **Double Sulphur Yellow**.....¼ oz. 15c — 5
1099 **Double Mixed**.....¼ oz. 15c — 5

The Dunnetti varieties are of upright growth, producing flowers two inches across.

1100 **Dunnetti, Double White** — 1101 **Double Yellow**.. — 10
1102 **Inodorum Plenissimum, Bridal Robe.** 10 in. Double pure white flowers.....⅛ oz., 40c — 10
1109 **Vaughan's Special Mixture of Double Chrysanthemums.** All the above and others. ½ oz., **25c**..... — 10
1110 **Vaughan's Special Mixture of Annual Chrysanthemums.** Single and double sorts in finest mixture including many new varieties not catalogued above.....½ oz. 25c — 10

The following are valuable for winter-flowering in pots.

1112 **Frutescens** ⌓ Paris daisy or Marguerite. Large white star-shaped flowers.....⅛ oz. 15c — 10
1114 **Chinese and Japanese Varieties Mixed.** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall.....100 seeds — 15

Cineraria ⌓ 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and their handsome flowers may be enjoyed by any one possessing an ordinary greenhouse where frost is excluded.

1120 **Vaughan's Columbian Mixture.** This is a mixture of the finest strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors..... — 25
1121 **Hybrida, Good Mixed**..... — 10
1122 **Radiata Polyantha.** 2 to 3 ft. The small starry flowers are borne in profusion in loose panicles in many pleasing shades of crimson, rose blush, white, azure and violet — 25
1123 **Maritima, Diamond.** For edging, silvery foliage..... — 10

Clarkia ⊙ 2 ft.

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

1124 **Apple Blossom.** Double flowers, apple-blossom pink — **10**
1125 **Brilliant.** Double flowers, produced on long spikes, of a brilliant salmon scarlet.....¼ oz. 30c — 10
1126 **Chamois.** — 1127 **Flesh.** Double flesh pink, each — 10
1128 **Queen Mary.** Lovely rose carmine, very bright color. — 10
1129 **Salmon Pink.** Double salmon..... — 10

COBAEA Scandens

CONVOLVULUS (Morning Glory)

COSMOS EARLY FLOWERING MAMMOTH

Clarkia—Continued

Pkt.

1130 **Scarlet Queen.** The flowers are a double orange salmon and develop to a glowing orange scarlet.....⅛ oz. 25c 10
1132 **White Prince.** Very double, pure white.....¼ oz. 30c 10
1133 **Double and Single Mixed**.....1 oz. 25c 5
1134 VAUGHAN'S SPECIAL **Vaughan's Special Mixture.** Made up especially from the above named varieties. Be sure and include this in your order..... 15
1135 **CLEOME Pungens (Spider Wort)** ⊙ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant.....½ oz. 25c 10
1136 **CLIANTHUS Dampieri (Glory Pea of Australia),** ⌓ 2 ft. Clusters of bright red flowers with black spot, 15 seeds 25
1137 **COBAEA Scandens Cathedral Bells** ⊙ § 30 ft. One of the handsomest and rapid growing climbers. The flower are bell-shaped and opens a clear green but turns a beautiful purplish lilac. Seed should be sown edgewise. A very vigorous and prolific bloomer...¼ oz. 15c 05
1138 **Flore Albo.** White.....¼ oz. 30c 10
1139 **Mixed.** White and blue..... 10
1146 **COCCINEA Indica** ⊙ § A remarkably pretty annual climber: luxuriant Ivy-like foliage; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white.....⅛ oz., 25c 10
1148 **COIX Lachrymae (Job's Tears)** ⊙ 2 to 4 ft. The seed is frequently used as an old-fashioned remedy for sore throat, goiter and teething babies. It is strung on a linen thread and worn around the neck as a chain.....1 lb. 60c; ¼ lb. 20c; 1 oz. 5c
1150 **COLEUS, Vaughan's Mammoth Rainbow Mixture** ⌓ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich 20
VAUGHAN'S SPECIAL
1153 **Fine Mixed**..... 10
1154 **COLLINSIA Mixed** ⊙ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation.....1 oz. 25c 05
1156 **COMMELINA Sellowiana** ⌓ 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms of dainty blue color.....⅛ oz., 50c 10

Convolvulus (Morning Glory) ⊙ §

Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

1160 **White** 1162 **Crimson** 1164 **Blue**
1161 **Rose** 1163 **Striped** 1165 **Lilac**
One packet each of above 6 for 20c. Each of the above.1 oz. 20c 05

Convolvulus—Continued

Pkt.

1166 **Mixed, all colors**.....1 lb. 80c; ¼ lb. 25c; 1 oz. 10c 05
1168 **Double Mixed.** The flowers are double and semi-double and some are fringed.....½ oz. 20c 10
1169 **Double Snow Fairy.** The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower.....½ oz., 35c 10
1170 **Mauritanicus.** Beautiful trailing plant, completely covered with lavender blue flowers which remain open all day. For a hanging basket either on a porch during summer or in a window in winter it is charming..... 10

Minor—Dwarf or Bush Varieties 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

1171 **Blue**..... 1172 **Rose Queen**....Each 1 oz. 20c 05
1173 **Mixed, all colors**.....lb. $1.00; 1 oz. 15c 05
1174 **COSMIDIUM Orange Crown** ⊙ 2 ft. The flowers are golden-yellow with a broad circle of a rich orange around the disk, a pleasing combination. Plants produce a succession of bloom all summer..... 10

Cosmos ⊙ 4 to 6 ft.

This beautiful annual is one of the most showy and useful of our garden plants. Plants are very bushy and compact. Flowers borne on long delicate stems and are similar to single Dahlias. Foliage very finely cut.

Early Flowering Mammoth

These are the only kind we would recommend planting north of the latitude of Middle Illinois, as the late, or Giant flowered varieties are nearly always caught by early frost. We have dropped the ordinary Early Flowering varieties which produce small flowers and now offer only these Mammoth Early Flowering sorts.

1180 **White**.... 1181 **Pink**... 1182 **Crimson**.. Each 10
1185 **Early Flowering Mammoth Mixed, all col's**..¼ oz. 20c 10

Late or Giant Flowered

For sowing south of the latitude of Middle Illinois.

1187 **Crimson Ray.** A distinct beautiful type. The petals, greatly increased in number, are narrow and fluted, separated in star-like form and of the most brilliant crimson color overlaid with a velvet sheen..... 10
1188 **Crimson**.....½ oz. 15c 05
1189 **White Lady Lenox**..... 10
1190 **Pink Lady Lenox**.....½ oz. 25c 10
1195 **Giant Mixed**.....1 oz. 25c, ½ oz. 15c 05
1196 **Klondyke.** A gorgeous orange-yellow flower with very handsome foliage more coarsely laciniated than others... 10
For New Double Sorts see the Novelty pages.

1202 **CUPHEA Platycentra (Cigar Plant)** ⌓ 10 in. Small scarlet and black tubular flowers; dark green foliage..... 20
1203 **Purpurea**..... 10

DIANTHUS—Vaughan's Special Single

DELPHINIUM (Annual Larkspur)

DIANTHUS—Vaughan's Special Double

Cyclamen (Alpine Violet) ⌓ 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience. Pkt.

1205 **Giant Flowered Cyclamen. Mixed, extra choice**..... 10 seeds 20c; 20 seeds 30c; 100 seeds $1.20 ..

1227 **CYPERUS Alternifolius (Umbrella Plant)** ⌓ 1½ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape.... 10

Cypress Vine ⊙ § 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

1228 **White**..... 1229 **Scarlet**.....½ oz. 25e 05

1230 **Mixed**.....½ oz. 20c 05

1231 **Ivy-Leaved Scarlet.** A rapid growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers.. 10

Dahlia ⊙ 2½ 4 ft.—Growing Dahlias from Seed

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

1232 **Collarette, Mixed Colors.** Flowers of various colors, adorned with a collar of small petals around the center, novel and beautiful.....¼ oz. 30e 10

1233 **Colossal.** The flowers are composed of three or more whorls of wide overlapping petals—one above the other. Stems are long and rigid, bearing flowers well above the foliage; the colors are rich and varied....¼ oz. 30e 10

1234 **Twentieth Century.** Immense single flowers, 4 to 6 inches across, white, marked carmine and pink; very handsome.....⅛ oz. 30c 10

1235 **Giant Perfection Mixed.** The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color.. 10

1236 **Striped Mixed**..... 10

Double Flowering

1237 **Double Good Mixed**.....⅛ oz. 35c 10

1238 **Double Cactus Flowered Mixed.** With twisted and curled petals.....⅛ oz. 35c 15

1239 **Double Best Mixed.** Saved from show and fancy sorts. 25

1240 **Vaughan's Special Mixture.** This mixture contains seeds from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts.....60 seeds 25

VAUGHAN'S SPECIAL

DAISIES, see Bellis, Agathea, Arctotis, Brachycome, Chrysanthemum Maximum and Frutesens, Dimorphotheca and Pyrethrum Roseum.

Datura (Angel's Trumpet) ⊙ 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make grand pot plants for the greenhouse.

1242 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, like three cones, one within the other, color rich violet, with white interior..¼ oz. 20c Pkt. 10

1243 **Golden Queen.** Very large double bright yellow flowers, a fine pot plant.....¼ oz. 20c 10

1244 **Double White**.....¼ oz. 15c 05

1245 **Double Fine Mixed**.....¼ oz. 15c 05

Delphinium (Annual Larkspur) ⊙

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The **Emperor, Hyacinth-flowered** and **Branching varieties** bloom a little later than the **Stock-flowered.** Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

Stock-Flowered

1261 **Lustrous Carmine** (Newport Pink)

1262 **Flesh Color** 1264 **White** 1266 **Bright Rose**

1263 **Deep Lavender** 1265 **Dark Blue** 1267 **Sky Blue**

Each of the above.....¼ oz. 25e; 1 oz. 80c 10

1268 **Mixed all colors**.....1 oz., 60e; ¼ oz., 20c 05

1269 **Giant Hyacinth-Flowered Mixed** 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors..¼ oz. 15c; 1 oz. 50c 05

1270 **Tall Rocket Mixed** 2½ ft. Throws up one single column of bloom.....¼ oz. 10c; 1 oz. 25c 05

1275 **Dwarf Rocket Mixed** 1 ft.....¼ oz. 10c; 1 oz. 25e 05

1281 **Emperor Mixed.** Produces an abundance of long, slender spikes in the most delicate colors.....¼ oz. 10e 05

1285 **Vaughan's Special Mixture,** Annual Larkspurs. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously.....1 oz., $1.00; ¼ oz. 30c 10

VAUGHAN'S SPECIAL

Dianthus (Garden Pinks) ⊙ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly.

Single Flowering

1286 **Crimson Belle.** Large handsome flowers, crimson..... 05

1287 **Eastern Queen.** Large and beautiful flowers, marbled rose and white.....¼ oz. 20 05

1288 **Salmon Queen.** Salmon scarlet..... 10

1289 **Mephisto.** Salmon margined dark brown..... 10

1290 **Mirabilis. (Single Wonder Pink.)** The petals are deeply cut into fine strips of threadlike fringes. All shades from pure white to deep purplish red...¼ oz. 25c 10

1291 **The Bride.** White with purple center.....¼ oz. 25c 10

1292 **Vesuvius.** Bright geranium red.....¼ oz. 25e 10

1293 **Chinese Single Mixed**.....¼ oz. 15c 05

Perennial Delphiniums and Hardy Garden Pinks are offered on pages 98 and 99.

DOLICHOS (Hyacinth Bean)

EUPHORBIA Variegata (Snow on the Mountain)

ESCHOLTZIA (California Poppy)

Dianthus, (Pinks) Single Flowering—Continued

		Pkt.
1294	**Japan Single Mixed.** Great range of colors..¼ oz. 20c	05
1295	**Laciniatus Mixed.** Single fringed flowers.....¼ oz. 20c	05
1326	**Vaughan's Special Mixture, Single Pinks.** This is a selection from the choicest sorts in cultivation. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson. ¼ oz. 30c.....	10

Dianthus, Double Flowering

1327	**Chinensis Double Mixed.** Blooms in clusters, flowers very double and in a large range of colors..¼ oz. 10c	05
1328	**Double Salmon.** A beautiful shade.....	10
1329	**Diadematus Double Mixed.** Beautiful flowers in various shades with the outer edges fringed and almost white.....¼ oz. 25c	05
1338	**Imperialis, Double Mixed.** Bushy grower....¼ oz 20c	05
1339	**Laciniatus, Double Mixed.** Flowers deeply laciniated	10
1340	**Mirabilis Flore Pleno. (Double Wonder Pink).** Flowers are like fringed balls in many attractive colors	10
1341	**Mourning Cloak.** Flowers very dark velvety crimson, each petal being strikingly edged white.....⅛ oz. 20c	10
1342	**Fireball.** Scarlet, compact, floriferous.....⅛ oz. 30c	10
1343	**Snowball.** Compact, fringed white flowers...⅛ oz. 25c	10
1344	**Snowdrift.** Large double white flowers, finely laciniated.	10
1345	**Brilliant Rose.** A new shade; very pleasing.....	10
1346	**Vaughan's Special Mixture of Double Pinks.** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades...¼ oz. 30c	10
1350	**Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package.....¼ oz. 30c	10

DIGITALIS (Foxglove) see Perennial Pages.

1383	**DIMORPHOTHECA Aurantiaca. (Golden Star of the Veldt.)** ⊙ 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun.....¼ oz. 30c	10
1384	**Aurantiaca Hybrida.** They vary in color from the purest white to red and blush, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose.....	15

Dolichos (Hyacinth Bean) ⊙ § 10 ft.

A rapid growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

1385	**Princess Helen (Daylight).** Snow white flowers followed by silvery white seeds pods.....1 oz. 25c	05
1386	**Purple Soudan (Darkness).** Attractive rose-violet flowers with dark ruby-purple seed pods.. ...1 oz. 25c	05
1387	**Mixed, all colors**.....2 ozs. 35c; 1 oz.20c	05
1391	**Bush.** Dwarf white.....	10

DOLICHOS (Hyacinth Bean)—Continued

		Pkt.
1392	**Lignosus (Australian Pea Vine.)** A rapid growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers.....	10
1396	**DRACAENA Indivisa** ⊙ 2 ft. Ornamental leaved plants; long narrow, green leaved foliage.....	10
1398	**Indivisa Latifolia.** 1399 **Australis**....each ¼ oz. 25c	10
1414	**ERYTHRINA Crista Galli (The Coral Tree.)** 4 ft. A grand plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers.....	15

Escholtzia (California Poppy) ⊙ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

1415	**Alba.** Paper white.....	05
1416	**Californica.** Large pale yellow, ¼ lb. 60c; 1 oz. 20c	05
1418	**Carmine King.** Beautiful carmine rose color, both on the interior and exterior of the flower.....½ oz. 30c	10
1420	**Canaliculata Rosea.** Beautiful rosy pink flowers....	10
1421	**Dainty Queen.** Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream	10
1422	**Golden West.** Flowers bright yellow and orange, penciled and blotched.....¼ lb. 80c; ½ oz. 20c	05
1424	**Mandarin.** Inner side of the petals rich orange, the outer side brilliant scarlet.....½ oz. 20c	05
1425	**Maritima.** Canary yellow with orange center.....	05
1426	**Mikado.** Flowers lustrous orange-crimson, very brilliant	10
1427	**Rose Cardinal.** Flowers pretty dark rose, inside blush	10
1428	**Mixed, all colors.** Many shades...¼ lb. 50c; 1 oz. 20c	05
1429	**Double and Semi-Double Mixed**.....¼ oz 15c	10
1430	**Vaughan's Special Mixture.** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence See also novelties.....Oz. 75c; ½ oz. 40c	10
1432	**EUCALYPTUS Globulus (Blue Gum)** Admirable for sub-tropical bedding or greenhouse decoration.....	10

Euphorbia ⊙ 2 ft.

Strong growing annuals, for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

1436	**Heterophylla (Mexican Fire Plant).** Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn a vivid orange scarlet.....¼ oz. 15c	10
1437	**Variegata (Snow on the Mountain or Mountain Spurge).** 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green.....	10
1438	**EVERLASTINGS. Mixed** ⊙ 1 to 2 ft.....¼ oz. 15c	10
1439	**Collection of Everlastings.** 1 pkt. each Acroclinium roseum; Ammobium alatum, Gomphrena mixed, Rhodanthe mixed, Helichrysum mixed (regular 5c pkt.), and Xeranthemum mixed.....6 pkts.	25

For named sorts of Everlastings see Acroclinium, Ammobium, Gomphrena, Helichrysum, Rhodanthe, Xeranthemum, Lunaria and Statice.

GOMPHRENA

GAILLARDIA Lorenziana

GODETIA

Freesias

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed.

Pkt.

1441 **Refracta Alba.** White..... 05

1442 **Ragioneri Hybrids.** Very attractive because of their unique colorings and shadings..... 15

FORGET-ME-NOT.—See Myosotis.

FOUR O'CLOCK.—See Mirabilis.

1446 **FUCHSIA Hybrida (Ladies' Eardrop), Double and Single Mixed** ⌓ 1 to 4 ft. Well known greenhouse plant, blooms from seed first year if planted early..... 20

Gaillardia (Blanket Flower) ⊙ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

1447 **Amblyodon.** Flowers deep red..... 10

1448 **Picta Single Mixed**.....¼ oz. 15c 05

1450 **Lorenziana Double Perfection Mixed.** Large handsome heads of double quilled flowers in rich shades of red and yellow.....¼ oz. 20c 05

1462 **GAURA Lindheimeri** ⊙ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost 10

Geranium ⌓ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

1465 **Zonale Varieties.** Saved from a choice collection..... 10

1466 **Large Flowering, Newest Varieties Mixed**....50 seeds 15

1467 **Apple-scented.** Leaves fragrant.....25 seeds 10

1468 **Lady Washington** (Odier). Large flowering, beautifully blotched.....15 seeds 25

1469 **GERBERA Jamesoni Hybrids.** ⊙ The flowers bear long graceful petals with small eye. This strain comprises a great variety of pleasing shades....25 seeds 25

1469A **GLADIOLUS, Many Varieties Mixed.** Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming..... 10

1470 **GILIA Mixed** ⊙ 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer.....1 oz. 20c 05

1472 VAUGHAN'S SPECIAL **GLOXINIA. Vaughan's International Mixture** ⌓ 12 in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors..... 25

Godetia ⊙ 1½ ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

1474 **Duchess of Albany.** Pure white.

1475 **Gloriosa.** Deep blood red.

1476 **Rosamunde.** Fiery rose.

1477 **Lady Satin Rose.** Bright carmine.

1478 **The Bride.** White and red.

1480 **Double Rose.**

1481 **Double Mixed.**

Pkt.

Each of the above, ¼ oz., 25c.....pkt 10

1479 **Many Sorts and Colors Mixed**.....½ oz. 25c 05

1482 **Dwarf Sorts Mixed.** Neat globular, about 10 in. in height.....¼ oz. 25c 10

Gomphrena (Globe Amaranth)

A showy annual everlasting with clover-like heads.

1483 **Globosa Alba.** White.

1484 **Rubra.** Red.

1485 **Globosa Orange.** Each of the above...pkt. 10

1486 **Mixed, all colors**.....¼ oz. 15c; pkt. 5c

Gourds ⊙ § 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

1487 **Apple-shaped.** Beautifully striped..... 05

1488 **Bottle.** The original Thermos bottle. Used by the pilgrims in the orient..... 05

1489 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used to an advantage in making pipes..... 10

1490 **Dipper.** Makes an excellent dipper..... 10

1491 **Dishcloth or Towel.** Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left..... 05

1492 **Hercules Club.** Fruit grows 3 to 4 ft. long..... 05

1493 **Japanese Bottle**..... 10

1494 **Japanese Nest Egg.** Fruit looks exactly like a hen's egg and may be used as nest eggs..... 05

1495 **Knob Kerrie.** The fruits are of fantastic shape. To the ball-like base—3 to 4 inches in diameter—is attached a slender handle or stem, 2 and often 3 feet in length. While developing they are deep green in color, changing as they mature to a richly mottled yellow..... 10

1496 **Orange.** The well known Mock Orange..... 05

1498 **Ornamental Pomegranate** or Queen's Sweet Pocket melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens..... 05

1500 **Pear Shaped.** Striped yellow and green..... 05

1502 **Sugar Trough.** Thick shells, very durable..... 05

1504 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a part of the side of the bowl a satisfactory spoon may be made..... 10

1505 **Turk's Turban.** Odd brightly colored fruit..... 05

1506 **Small Fruited Varieties Mixed**....1 oz. 35c; ½ oz. 20c 05

1510 **Mixed, all varieties**.....1 oz. 30c; ½ oz. 20c 05

See our Friendship collection on pages 10 and 65.

GYPSOPHILA—Angel's Breath

HELICHRYSUM (Straw-Flower)

HELIOTROPE—Mammoth Flowered

1515 **GRASSES—Ornamental Mixed** ⊙ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil.. Pkt. 10

Grasses, Ornamental, see Agrostis Nebulosa, Briza Maxima; Coix Lachrymae, Cyperus Alternifolius; Pennisetum Longistylum; Pennisetum Ruppelianum; Zea Japonica.

1520 **GREVILLEA Robusta (Silk Oak)** ⌓ 1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long drooping silky foliage it reminds one of a palm or fern..... 10

Gypsophila ⊙ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

1522 **Elegans Grandiflora Alba (Angel's Breath.)** This is an improved, large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply .....oz., 30c; ½ oz. 20c 05

1523 **Elegans Carminea**..... 05

1524 **Elegans Rosea.** Soft pink.....¼ oz. 15c 05

1525 **Muralis.** 6 in. A lovely little rock or edging plant with rose-pink flowers.....¼ oz. 25c 10

Helianthus (Sunflower) ⊙

These comprise plants of majestic growth and immense showy flowers; suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders. Excellent for cutting.

Large Flowered Tall

1526 **Annuus Purpureus, Gaillardia-flowered or Red Sunflower.** 4 to 8 ft.. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary from a few inches to nearly a foot in diameter, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays..... 10

1527 **Argyrophyllus.** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles.....½ oz. 15c 05

1528 **Californicus Fl. Pl.** 5 ft. Double dark yellow. 1 oz. 10c 05

1529 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers..... 10

1530 **Double Mixed**.....1 oz. 20c 05

1531 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color..1 oz. 20c 05

1532 **Primrose Queen Double.** 5 to 6 ft. Large numbers of medium-sized pale sulphur yellow flowers are produced on short straight stems..... 10

1533 **Nanus Flore Pleno.** 2½ ft. Double dwarf, beautiful for massing in beds.....1 oz. 20c 05

1534 **Russian Mammoth.** Single, of gigantic dimensions. For larger amounts see Farm seed pages.....1 oz. 05c

HELIANTHUS—Continued

Miniature-Flowered Sunflowers

The following varieties of Helianthus cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers, which are borne for a long time in succession, and are invaluable as cut flowers.

1535 **Cucumerifolius.** The first introduction of these charming small sunflowers, flowers rich golden yellow with brown black center..... Pkt. 05

1536 **Stella.** Large golden yellow petals, small dark center 05

1537 **Orion.** Petals rolled resembling Single Cactus Dahlia 05

1538 **Purpureus.** Flowers shades of red and yellow..... 05

1539 **Double Hybrids.** Double and semi-double flowers.... 10

1540 **Liliput, Baby Sunflower.** 6 to 8 in. The plants are of a somewhat creeping growth, similiar to those of Verbenas. Flowers are single, bright yellow, dark disc. 10

1541 **Vaughan's Special Mixture.** Includes all the above of cucumerifolius varieties. ¼ oz. 20c..... VAUGHAN'S SPECIAL 10

1542 VAUGHAN'S SPECIAL **Vaughan's Special Mixture** of all the single and double sunflowers.....½ oz. 25c 10

Helichrysum (Strawflower) ⊙ 2 to 3 ft.

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

1546 **Silver Ball.** White.

1547 **Fire Ball.** Red.

1548 **Golden Ball.** Yellow.

1549 **Rose Queen.** Carmine rose.

1550 **Salmon Queen.** Salmon Pink.

1551 **Violet Queen.** Violet.

Each of the above, pkt., 10c.

1552 **Mixed, all colors**.....½ oz. 20c 05

1553 VAUGHAN'S SPECIAL **Vaughan's Special Mixture.** This mixture of Helichrysum is an improved large-flowered strain containing many new and exquisite shades and won for itself a place in our 1917 front cover.....¼ oz. 25c 15

Heliotrope ⌓ 2 ft.

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom flowering equally well as bedding plants in summer, or as pot plants in the house during the Winter. Seed sown in the Spring makes fine plants for bedding out, and are as easily grown as Verbenas.

1555 **Mammoth Mixed.** Flowers of great size and ranging in shade from dark blue to lilac.....⅛ oz. 50c 15

1556 **King of the Blacks.** Deep purple, almost black..... 15

1560 **Fine Mixed**.....⅛ oz. 25c 10

VAUGHAN'S JAPANESE MORNING GLORIES

HUNNEMANNIA (Bush Escholtzia)

THE NEW GIANT OR CHRISTMAS KOCHIA

Hollyhocks (Annual) ⊙ 5 ft.

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will he in flower in August, hut if started indoors and set out in May, they will bloom in July. They are continuously covered with large flowers in many beautiful colors.

Pkt.

1571 **Everblooming Single Mixed.** Large single flowers exhibiting every shade known in Hollyhocks. ½ oz. 25c 10

1575 **Everblooming Double Mixed.** Double and semi-double 10

(For other Hollyhocks see Perennial List).

Humulus Japonicus (Japanese Hop) ⊙§20ft.

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, draught and insects do not trouble it.

1580 **Green Leaved**..... ¼ oz. 15c 05

1582 **Variegated Leaved.** The large handsome leaves are beautifully varigated, white, green and yellow ¼ oz. 15c 05

1590 **HUNNEMANNIA Fumariaefolia (Bush Escholtzia)** ⊙ 1½ ft. The plants grow into a shrubby bush and produce their large cupshaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cutblooms keep in water two weeks. Oz., 60c; ¼ oz. 20c 10

HYACINTH BEAN. See Dolichos.

1595 **ICE PLANT (Mesembryanthemum Crystallinum.)** ⊙ 6 in. Foliage very ornamental, being covered with ice-like globules, and prized for garnishing; a valuable plant for dry sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders.. ¼ oz. 15c 05

Impatiens (Zanzibar Balsam) ◺ ⊙ 1½ ft.

One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

1600 **Holstii.** Of rapid and vigorous growth, and producing large flowers of a brilliant salmon-scarlet..... 15

1602 **Holstii Hybrids.** They range in color from pink through the red shades to purplish violet..... 15

1610 **IONOPSIDIUM Acaule (Violet Cress)** ⊙ 3 in. A lovely miniature rapid-growing and early-flowering plant, forming dense tufts of foliage smothered in tiny pale lilac flowers..... ⅛ oz. 30c 10

Ipomoea ⊙ § 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should he soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

1615 **Bona Nox (Evening Glory).** Violet flowers... 1 oz. 25c 05

1617 **Coccinea (Star Ipomoea).** Small scarlet flowers in great profusion..... ½ oz. 20c 05

1619 **Mexicana Grandiflora Alba (White Moon Flower)** Covered with large white flowers every evening and cloudy day. Seeds should be started inside... ½ oz. 25c 10

IPOMOEA—Continued

Pkt.

1620 **Mexicana Grandiflora, Giant Pink.** Soft lilac pink flowers..... ½ oz. 30c 10

1622 **Imperialis (Japanese Morning Glory) Fine Mixed** The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb. $1.00; ¼ lb. 35c; 2 oz. 25c; 1 oz. 15c; ½ oz. 10c.... 05

1625 **Vaughan's Special Mixture, Japanese Morning Glories.** The colors run from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb. $1.00; 1 oz. 30c; ½ oz. 20c..... 10

1627 **Learii.** Satiny blue with crimson bars. A good green-house climber..... 10

1630 **Rochester.** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. ½ oz. 30c 10

1632 **Rubro-Coerulea (Heavenly Blue).** Deep azure blue flowers delicately shading to white towards the center.. 10

1633 **Early Flowering Rubra Coerulea.** Sky blue..... 15

1635 **Setosa (Brazilian Morning Glory).** The thick stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about nine inches across; flowers about two inches in diameter, of delicate texture, tinted pink with a five pointed star of satiny pink and are followed by curious seed pods..... ½ oz. 25c 10

☞For other Morning Glories, see Convolvulus.

JOB'S TEARS. See Coix Lachrymae.

KUDZU VINE. See Pueraria.

1640 **KOCHIA The New Giant (Summer Cypress, Burning Bush.)** ⊙ 2½ ft. This beautiful annual bush has rapidly come into prominence. It grows 3 to 4 feet high and resembles a close clipped ornamental evergreen. The globe-shaped or pyramidal bushes are close and compact, and of a pleasing light green color. The plant may be grown singly or in the form of a hedge or background. In early Autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc. Flowers small and numerous but not conspicuous. The beauty of the plant is in its shape and color..... ½ oz., 15c 10

1645 **LANTANA Hybrida. Mixed** ◠ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. They have an agreeable aromatic perfume..... 10

1646 **Dwarf Hybrids.** Mixed..... 15

MARIGOLD—Double Tall African

MARIGOLD—Legion of Honor

MARIGOLD—Double Tall French

Lavatera ⊙ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

		Pkt.
1654	**Splendens Alba.** Very large silky pure white flowers.	10
1655	**Splendens Rosea.** Very large bright rose flowers	10
1656	**Trimestris.** Light rose, with silvery streaking	10
1657	**LAYIA Elegans (Tidy Tips).** ⊙ 1 ft. Very beautiful flowers, yellow bordered white, with golden center, profusely produced, for beds and borders, remaining long in beauty. Sow in spring to flower in early summer, and in autumn to bloom in spring	10
1658	**LEPTOSYNE Maritima** ⊙ 1½ ft. Beautiful bright golden-yellow daisy like flowers with long stems, blooming abundantly five to six weeks after sowing. Most useful for cutting. Very showy	10
1665	**LINUM Grandiflorum Rubrum (Crimson Flax)** ⊙ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose, very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. . . . . 1 oz. 30c	05

Lobelia Erinus Compacta ⊙

This charming class forms compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. They flower the first season from seed.

1675	**Bedding Queen.** Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye	10
1676	**Crystal Palace Compacta.** Deepest blue, dark foliage.	10
1677	**Emperor William.** Clear sky blue with green foliage	10
1681	**Pumila Rosea.** Dwarf pink	10

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

1683	**Speciosa.** True, dark blue, dark foliage	10
1684	**Sapphire.** Large, deep blue flowers with a pure white eye which occupies one-third of the corolla	15
1685	**Mixed colors** . . . . . ⅛ oz. 15c	05

Lupinus ⊙ 2 ft.

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

1700	**Hartwegii, White.** Pure white flowers . . . . . ½ oz. 25c	10
1701	**Hartwegii, Blue.** The flowers of a delicate mist-like blue	10
1702	**Hartwegii Roseus.** Rose colored flowers	10
1703	**Hybridus Atro-coccineus.** Large spikes of scarlet white-tipped flowers	10
1705	**Tall Annual Varieties Mixed** . . . . . 1 oz. 30c	05
1706	**Dwarf Annual Varieties Mixed.** 1 ft.	10

(See also Perennials).

MALOPE (Mallow-wort) ⊙ 2 ft. Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome. Pkt.

1707	**Grandiflora Alba.** Large white flowers . . . . . ½ oz. 25c	10
1708	**Rosea.** Flowers large, blush, shaded pink towards center	10

Marigold (Tagetes) ⊙

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class. They are most effective in ribbon borders and as edgings to beds of tall flowers, such as Salpiglossis and Zinnias.

Double Tall African Varieties 5 ft.

1722	**Eldorado.** Extremely large and imbricated double flowers in yellow shades . . . . . ¼ oz. 20c	10
1723	**Lemon Queen** . . . . . ¼ oz. 20c	10
1724	**Orange Queen** . . . . . ¼ oz. 20c	10
1725	**Tall African Mixed.** Large double flowers . . ½ oz. 20c	05
1726	**Tall French Mixed.** Large bushes covered with a multitude of small double flowers . . . . . ½ oz. 20c	05
1727	**Vaughan's Special Mixture Tall Marigolds.** This mixture includes several varieties which we do not catalog but purchase especially for this mixture. A packet will give you flowers of enormous size in a wonderful assortment of color in shades of yellow, cream, orange, rusty brown, old gold, etc. . . . . ¼ oz. 20c	10

Double Dwarf African

1728	**Mixed (Pride of the Garden)** 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes . . . . . ½ oz. 25c	10

Dwarf French Double Sorts 10 in.

1731	**Gold Striped.** Velvety maroon, striped gold . . ¼ oz., 20c	10
1732	**Dwarf French Double Mixed.** Low bushes covered with small flowers . . . . . 1 oz. 35c; ½ oz. 20c	05
1735	**Vaughan's Special Mixture of Dwarf Marigolds, Double and Single varieties.** These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. This mixture is made up of separate colors especially purchased for it . . . . . ¼ oz. 20c	10

Single Dwarf Varieties

1736	**Gilt Edge.** Velvet maroon, edged with yellow	10
1737	**Golden Star.** Flowers have golden yellow petals with purple red streaks radiating from the center	10
1746	**Legion of Honor.** Flowers rich golden yellow, marked with velvety brown, best for edging . . . . . ½ oz. 20c	05
1747	**Silver King.** Light sulphur-yellow with brown spots	10

MARVEL OF PERU. See Mirabilis.

MIGNONETTE—Vaughan's Giant Machet

1749 **MATRICARIA Capensis (Feverfew).** ⊙ 3 ft. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as annuals... Pkt. 10

1750 **Eximea, Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers 10

1751 **MATTHIOLA Bicornis (Evening-scented Stock.)** ⊙ 15 in. The flowers in the morning, evening, and after a shower emit a delicious perfume perceptible at a considerable distance.....Lb. $2.00; 1 oz. 20c 05

1752 **MAURANDIA Mixed** ⊙ § 10 ft. Slender grower and abundant bloomer very desirable for greenhouse and garden. Elegant Gloxinia-like flowers which range through white, rose, blue and purple in color..... 10

1754 **MELOTHRIA Punctata** ⊙ § 10 ft. (Musk Vine). Blooms in clusters, flowers small, white and star shape, with a strong musk fragrance, leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Gooseberry shaped fruit 10

Mignonette (Reseda) ⊙ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

1755 **Bismarck.** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious.....⅛ oz. 20c 10

1756 **Gabriele.** Very sweet; spikes very thick; one of the best for out of doors.....¼ oz. 20c 05

1757 **Golden Queen.** Yellow..... 05

1758 **Goliath.** Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter.....⅛ oz. 20c 10

1760 **Grandiflora.** Large flowered.....¼ lb. 50c; 1 oz. 20c 05

1761 **Giant White Spiral.** Flowers silvery-white. ¼ oz. 15c 05

1762 **Machet.** It is the best Mignonette for all purposes either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall.....¼ oz. 25c 10

1764 **New York Market.** This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower.. 250 seeds 25

1766 **Pyramidal Large-Flowering.** Tall-growing variety. 05

1767 **White Pearl**..... 10

1770 **Mixed.** Many shades and types...1 oz. 25c: ½ oz. 15c 05

1772 **MIMOSA Pudica (Sensitive Plant)** ⊙ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken..... 05

1773 **MIMULUS Moschatus (Musk Plant)** ⊙ Musk-scented leaves, tiny yellow flowers..... 15

1774 **Tigrinus (Monkey Flower).** ⊙ 10 in. **Queen's Prize Single Mixed.** Dwarf bushy plants, with large gloxinia-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade..... 10

1775 **Tigrinus Fl. Pl. (Double Monkey Flower) mixed**... 10

1778 **MINA Lobata** ⊙ § 12 ft. A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded..... 10

MORNING GLORY. See Convolvulus and Ipomoea.

MOURNING BRIDE. See Scabiosa.

Mirabilis ⊙ 2 ft.

(Marvel of Peru or Four O'Clocks)

This is another good old-fashioned flower of bushy habit bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect.

1780 **Mixed, all sorts and colors**.....¼ lb. 40c; 1 oz. 15c 05

1782 **Variegated Leaved Mixed**.....1 oz. 15c 05

1784 **Dwarf Mixed.** 12 in.....1 oz. 20c 05

1785 **Sweet-Scented (Longiflora Alba).** White.....1 oz. 30c 05

1786 **MUSA Ensete (Banana Plant).** ⌓ 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds must be started in hot-bed or on bottom heat in greenhouse.....10 seeds 20

MUSK PLANT. See Mimulus.

Myosotis—Forget-Me-Not ⊙ ½ to 1 ft.

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The all varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Responds to good treatment and flourishes in shady, moist, situations. The national flower of Belgium.

1787 **Alpestris Blue.** Trailing habit.....⅛ oz. 15c 05

1788 **Alba.** White.....⅛ oz. 15c 05

1789 **Rosea.** Pink.....⅛ oz. 15c 05

1790 **Eliza Fonrobert.** Flowers large, sky blue, with clearly defined white eye.....⅛ oz. 20c 10

1791 **Victoria.** The flowers are large bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging..... 10

1792 **Mixed**.....⅛ oz. 15c 05

1793 **Ruth Fisher.** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage..... 25

1794 **Star of Love.** Distinct variety with large, beautiful blue flowers..... 25

1795 **Vaughan's Early and Late Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky blue with a delicate white center. Plants may be in bloom at any time of the year..... VAUGHAN'S SPECIAL 10

Nemesia ⊙ 1 ft.

Free blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow out of doors in May, in patches, where they are intended to flower.

1800 **Large Flowered Mixed.** 1 ft. Is the finest strain of this most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors..... 10

1801 **Blue Gem.** One of the best blue annuals for bedding. 7 inches..... 10

Nemophila (Baby Eyes) ⊙ 6 in.

Hardiest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out of doors in spring, in patches, where they are to flower.

1916 **Insignis Blue.** A popular plant for pots or borders.....1 oz., 40c.; ¼ oz. 15c 05

1919 **Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive..... ½ oz. 15c 05

DWARF NASTURTIUMS

They are suitable for bedding and edging, grow quickly and furnish the greatest abundance of long lasting, sweet-scented cut flowers. Sometimes it is desirable, when carrying out a color scheme to use but one variety of Dwarf Nasturtium for an edging. Empress of India is particularly good when used in this way as the dark leaved plants are of an even height and the flowers are in rich velvety red.

Green and Dark Leaved Varieties

2305 **Aurora.** Chrome yellow blotched crimson.
2306 **Beauty.** Scarlet splashed canary.
2307 **Bronze.** Burnt bronze color, dark leaved.
2308 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
2309 **Crystal Palace Gem.** Sulphur spotted maroon.
2310 **David Burpee.** Velvety purple-scarlet flowers, foliage wavy emerald green.
2311 **Empress of India.** Very dark leaves, crimson flowers.
2312 **Golden King.** Pure golden yellow.
2313 **King of Tom Thumbs.** Intense deep scarlet dark foliage.
2314 **King Theodore.** Velvety red flowers, dark foliage.
2315 **Laciniatum Mixed.** The flowers are deeply laciniated and appear in many attractive colors.
2316 **Lady Bird.** Orange, striped bright scarlet.
2318 **Pearl.** Creamy white.
2319 **Prince Henry.** Yellow marbled with scarlet.
2320 **Regelianum.** Rich crimson.
2321 **Ruby King.** Ruby red, dark leaved.
2322 **Scarlet.** Dark scarlet.
2323 **Vesuvius.** Salmon, dark leaved.
2324 **Yellow.**

Price, any of above: Pkts., **5c**; oz., **15c**; ¼ lb., **40c**; lb., **$1.25.**

Fancy and Variegated Leaved Varieties

2325 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.
2326 **Ivy Leaved Mixed.** Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.

Price, each of above.....¼ lb. 50c; oz. 15c — Pkt. 05

Fancy and Variegated Leaved Varieties—Continued

2327 **Queen of Tom Thumbs, Crimson.** Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage and is strikingly handsome and useful for bedding or pot culture. — Pkt.
2328 **Queen of Tom Thumbs, Mixed.**
2329 **Spencer Mixed.** The curly foliage is very unique and the flowers appear in many bright colors.

Price, each of above.....¼ lb. 50c; oz. 15c — 05

2330 **Dwarf Mixed.**.....1 lb. $1.00; ¼ lb. 30c; 1 oz. 10c — 05
2336 **COLLECTION No. 1 OF DWARF NASTURTIUMS, 10 VARIETIES.** Our choice.....1 pkt. of each 35c
2337 **COLLECTION No. 2 OF DWARF NASTURTIUMS 8 VARIETIES.** Our choice.....1 oz. of each $1.00

ONE OUNCE of Nasturtium will plant a bed 20 feet in diameter and will make a better display for three months than almost any other plant.

2335 **Vaughan's Special Mixture of Dwarf Nasturtiums.** Dwarf Nasturtiums are most admirably adapted to beds and borders. Vaughan's Special Mixture of Dwarf Nasturtiums will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers.....1 lb. $1.50; ¼ lb. 45c: 1 oz. 15c: pkt., 10c (VAUGHAN'S SPECIALS)

The Nasturtium seed pods when green may be used in making pickles.

Nicotiana (Sweet Scented Tobacco Plant.) ⊙ 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom but with a longer tube. The flowers open toward evening and emit a powerful perfume. — Pkt.

1920 **Affinis.** Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter..... 05
1925 **Affinis Hybrida.** Splendid hybrids in blue, red and rose, etc., shades.....⅛ oz. 15c 05
1926 **Sanderae.** A lovely hybrid tobacco of elegant branching habit, and bearing on light graceful stems great quantities of very beautiful rosy carmine flowers; a valuable border plant, from summer to autumn.....⅛ oz. 15c 05
1928 **Sanderae Hybrids.** All shades.....⅛ oz. 15c 05
1930 **Sylvestris.** 4 ft. A noble-looking plant of pyramidal habit, with long tubular pure white flowers borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening.....¼ oz. 15c 05

1932 **NIGELLA Mixed. (Love-in-the-Mist)** ⊙ 1½ ft. A compact, free flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed.....1 oz. 15c — Pkt. 05
1934 **Miss Jekyll.** A lovely variety, bearing on long stems large deep blue flowers. Very effective if planted with Escholtzias.....½ oz. 25c 10
1936 **NOLANA Mixed** ⊙ Pretty trailing plant, useful for edging or rock work..... 10
1937 **NYCTERINIA Capensis** ⊙ 9 in. Charming little plants for pots, edgings, and rock work. White with maroon, delightfully fragrant, flowers opening at night. ⅛ oz. 25c 10
1950 **OENOTHERA (Evening Primrose). Mixed** ⊙ ½ to 2 ft. Neat plants, with large, saucer shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume.....¼ oz. 15c 05
1951 **Mexicana Rosea.** Bright rose..... 10
1955 **OXALIS Rosea** ⊙ An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose and delicate pink..... 10

YARDS

What are you going to do with your backyard this summer? Let it remain a forbidding, desolate looking place? Or, by investing a few cents and a little effort, raise flowers which will brighten it up and make it healthful, as well as beautiful?

TALL NASTURTIUMS

⊙ 8 to 10 ft.

Few plants are so useful or rich in color as the Nasturtiums. They surpass the Geranium and Calceolaria in brilliancy of color and profusion of bloom; they should be given a dry poor soil, as on a rich or manured ground they are inclined to run to leaf. Where such is the case lime rubbish should be mixed with the soil. The sorts we enumerate are the most decorative and beautiful of all.

Lobb's Nasturtiums 6 ft.

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb higher and bloom brilliantly.

2356 **Black Prince.** Velvety black flowers, dark foliage.
2358 **Blushing Beauty.** Ivy leaved. Flowers soft yellow, spotted with terra cotta.
2359 **Cardinal.** Scarlet flowers, dark foliage.
2361 **Firefly.** Foliage rich and dark, flowers rosy salmon underlaid with bright golden yellow.
2362 **Flamingo.** Magnificent laciniated orange flowers.
2363 **Giant of Battles.** Sulphur with red.
2364 **Golden Queen.** Pure golden orange.
2365 **King of the Blacks.** Black-red, dark leaves.
2366 **Napoleon III.** Golden yellow spotted with brown.
2367 **Princess Juliana.** Dark ivy-leaved foliage, with deeply cut flowers of orange yellow, spotted red brown.
2368 **Princess Victoria Louise.** Flowers cream-white with orange scarlet blotches, the calyx and spur being of a pure orange-red.
2369 **Queen Emma.** Variegated leaves, deep scarlet flowers.
2370 **Queen of the Morning.** Variegated leaves, flowers aurora colored.
2371 **Virchow (Rose Queen).** The best pink.

Price, each of the above.....oz. **15c**; pkt. **5c**

Pkt.

2372 **LOBB'S MIXED.** The strongest growing, attaining the greatest height.....1 lb. $1.10; ¼ lb. 35c; 1 oz. 10c 05
2373 **TALL MIXED, all sorts**.....1 lb. $1.00; ¼ lb. 30c; 1 oz. 10c 05
2374 **COLLECTION No. 3 TALL NASTURTIUMS, TEN VARIETIES.** Our choice (ten packets)..1 pkt. of each, **35c**
2375 **COLLECTION No. 4 TALL NASTURTIUMS, EIGHT VARIETIES.** Our choice (eight ounces)..1 **oz.** of each, **50c**

Ivy-Leaved Nasturtiums

All with fine fimbriated petals. Colors intense and very striking. Foliage also very beautiful, like Ivy, and vines exceedingly graceful. For the garden they are superb, but for window culture they are very fine.

2377 **Ivy-leaved Tall Mixed.** Climbing..... 10

Green and Dark-Leaved Varieties

2338 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
2339 **Dunnett's Orange (Sunlight).** Bright orange flowers.
2340 **Edward Otto.** Brownish lilac.
2341 **Fordhook Fashion.** Terra cotta on yellow ground, dark leaved.
2341A **General Jacqueminot.** Rich crimson.
2342 **Heinemanni.** Chocolate color, odd.
2343 **Hemisphericum.** Orange.
2344 **Jupiter.** Large, rich golden yellow flowers.
2345 **King Theodore.** Rich deep crimson flowers; dark leaves.
2346 **Pearl (Moonlight).** Creamy white.
2347 **Prince Henry.** Light yellow, marbled scarlet.

Price, each of the above..pkt. **5c**; oz. **15c**

2348 **Shillingi.** Bright yellow with maroon blotches.
2349 **Scheuermani.** Straw color, spotted.
2350 **Scheuermani Coccineum.** Scarlet-striped.
2351 **Twilight.** Bright yellow, marbled salmon rose.
2352 **Vesuvius.** Salmon rose, dark leaved.
2353 **Von Moltke.** Ruby red.

Price, each of the above..pkt. **5c**; oz. **15c**

Fancy and Variegated-Leaved Varieties

2354 **Golden Cloth.** Scarlet flowers with yellow foliage.
2355 **Variegated-Leaved Varieties.**
These are of the trailing and climbing class with exquisitely beautiful foliage and very showy flowers. Leaves light green, beautifully marbled and blotched with pure white. Makes a striking vine with its bright blossoms of many colors.

Many colors mixed.....pkt. 10

Special Offer 2385
1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.

2380 **Vaughan's Special Mixture of Tall Nasturtiums.** We call especial attention to this mixture. In it will be found all the choicest colors of the all the tall Nasturtiums, the rich, velvety Lobb's varieties, Canary Bird Creeper and the new variegated-leaved varieties. Pkt.
1 lb. $1.50; ¼ lb. 40c; 1 oz. 15c..... 10

Special Offer 2390
1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.

2592 **PASSIFLORA Coerulea Grandiflora (Passion Flower)** Pkt.
⌓ § 15 ft. **Southern Beauty.** A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit..... 10
2593 **Gracilis.** Blue and white..... 10

2595 **PENNISETUM Longistylum** ⊙ 2½ ft. An Abyssinian grass with long feathery bearded bristles.....½ oz. 30c Pkt. 10
2596 **Ruppelianum.** The spikes are longer and more graceful. Used to border canna beds.....¼ oz. 20c 10
2597 **PERILLA Nankinensis** ⊙ 1½ ft. Valuable foliage plant resembling Coleus, dark mulberry-colored leaves..... 05

A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for when ordering.

There is no better mixture of Pansies than "**Vaughan's International.**"

Vaughan's Pansies

		Pkt.
2500	**Adonis.** Light blue with white center	15
2501	**Auricula Colors.** Metallic shades	15
2502	**Azure Blue.** A beautiful shade of sky-blue	15
2503	**Beaconsfield.** Upper petals light lavender, lower ones a deep rich purple. ⅛ oz. 50c	15
2504	**Boulogne Giant Mixture.** The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. 100 seeds	50
2505	**Bugnot.** Shades of red, bronze and reddish cardinal	20
2506	**Cassiers 3 and 5 Blotched Mixed.** Mostly light shades with dark blotches. ⅛ oz. 60c	20
2507	**Coal Black.** A jet black of truly giant size	15
2507a	**Colossa Venosa.** Light, veined shades, large flowers	20
2508	**Emperor Francis Joseph.** Pure white, large blotch of brilliant violet blue on each petal	20
2508a	**Emperor William.** Dark navy blue. ⅛ oz. 50c	15
2808b	**Fiery Faces.** Yellow and red	15
2509	**Mad. Perret.** Lovely shades of pink and rose. ⅛ oz. 50c	15
2510	**Marechal Niel.** Delicate pleasing, cream color	15
2511	**Masterpiece (New Giant Curled or Spencer Pansies)** The petals are crimped and curled so the flowers appear double. ⅛ oz. 70c	25
2512	**Orchid Flowered, Andromeda.** Delicate apple-blossom	20
2513	**Almond Blossom.** Delicate rose	20
2515	**Mammoth.** An odd combination of light greenish yellow ground, with deep purple blotches	20
2517	**Orchid Flowered Mixed.** Rare light shades, large frilled flowers, very attractive	15
2518	**Paris Market.** An improved strain of Trimardeau, with better flowers and more compact habit. ⅛ oz. 40c	10
2519	**Pink.** Fine shades of pink, same as Hydrangea. ⅛ oz. 50c	15
2521	**President McKinley.** Five blotched yellow	15
2523	**Purple.** Very large, rich deep purple	15
2524	**Prince Bismarck.** Light brown colors	15
2525	**Pretiosa.** Each petal has a large blotch of deep violet on crimson background, with white edge	15
2526	**Rosy Morn.** A bright purplish crimson margined with a clear white edge	15
2526a	**Ruby Red**	15
2527	**Striped.** Mahogany, striped and flaked white	15
2528	**Trimardeau.** Mixed. ⅛ oz. 40c	10
2528a	**Victoria.** Claret red	15
2529	**Violet Blue.** A very pleasing shade. ⅛ oz. 40c	15
2529a	**Vulcano.** Deep red with five large blotches, very fine	20
2530	**Pure White.** Pure white without blotches. ⅛ oz. 50c	15
2531	**White, With Eye.** Very large. ⅛ oz. 45c	15
2532	**Pure Yellow.** Golden yellow without blotches. ⅛ oz. 50c	15
2533	**Yellow, With Eye.** Immense flowers. ⅛ oz. 45c	15
2534	**Chicago Parks Bedding Mixed.** Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. ¼ oz. 60c; ⅛ oz. 40c	10

Peace Collection — **GIANT PANSIES** — 1 packet each Ruby Red, Pure White, Violet Blue. Prepaid for **35 cents.**

2535 **Red, White and Blue, Mixed** ..... **Pkt., 20c**

		Pkt.
2540	**Vaughan's Giant Mixture.** Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. ⅛ oz., $1.00; 1 pkt. 250 seeds, 25c; 125 seeds	15
2545	**Vaughan's International Mixture.** This is, and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented there are also all the possible variations of each one of these. 3 pkts. (600 seeds), 65c; 5 pkts. (1000 seeds), $1.00; ⅛ oz., $1.75; 200 seeds	25

VIOLA Cornuta (Tufted Pansies). 3-6 in.

Flowers all summer from seed sown in early spring, and are valuable for edging beds and borders. Require protection during winter.

		Pkt.
2546	**Alba.** Large white flowers	10
2547	**Admiration.** Rich violet blue flowers	10
2548	**Blue Perfection.** Pale blue flowers	10
2549	**Lutea Splendens.** Bright yellow	10
2553	**Papilio.** Flowers soft lavender-purple, lower petals flushed white	15
2554	**Vaughan's Improved Scotch Pansies.** This new strain produces flowers with 'faces,' the colors range from pale lavender to deep rich purple, many charming intermediate shades	25
2555	**Cornuta Mixed**	10

PETUNIAS

PETUNIA
Vaughan's
Special
Single Mixed

Petunia ⊙

For freedom of bloom, variety of color and effectiveness these have no equals. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Double Large Flowering Varieties

Pkt.

2600 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollenized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers ..... 200 seeds 30

2600a **Lady of the Lake.** Double white fringed .... 125 seeds 25

2601 **Double Small Flowering Inimitable.** Double small flowering blotched and striped ..... 300 seeds 25

2602 **Double Small Flowering Rosa Bonheur.** Dainty flowers of a beautiful clear rose ..... 300 seeds 25

Large Single Flowering Varieties

2603 **Balcony Queen.** Rich, velvety violet with white blotches ..... 150 seeds 25

2604 **Balcony White.** A beautiful trailing variety..... 15

2605 **Brilliant Rose.** ..... 150 seeds 25

2606 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc..... 200 seeds 15

Large Single Flowering Varieties—Continued

2607 **Large Flowering White.** Flowers are large, pure white like other petunias, it blooms all summer..150 seeds 20

2608 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors ..... 250 seeds 35

2609 **Royal Purple.** This makes a beautiful combination if planted with the Large Flowering White, (see above) or 2604. ..... 150 seeds 26

2610 **Mexican General.** Rich brilliant, velvety red. 150 seeds 20

2611 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color..... 200 seeds 15

2612 **Vaughan's Best Mixture Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as **Vaughan's Best** ..... 300 seeds 25

Single Small Flowering Varieties 1½ ft.

2613 **Alba.** Pure white..... ¼ oz. 30c 05

2614 **Carmine Rose**..... 05

2615 **Carmen Sylva.** Baby blue with white throat..... 10

2618 **Countess of Ellesmere.** Rose with white throat..... 05

2619 **General Dodds.** Blood red..... ⅛ oz. 25c 05

2620 **Howard's Star.** A beautiful free-flowering strain, color crimson-maroon with a clearly defined five-pointed star of blushing white. For bedding, baskets, vases, etc., this is exceptionally fine..... ⅛ oz. 40c 10

2621 **Inimitable.** Blotched and striped..... ¼ oz. 30c 05

2622 **Violacea.** Violet blue..... 10

2623 **Venosa.** Light red veined..... 05

2624 **Good Mixed**..... 1 oz. 80c; ¼ oz. 25c 05

2625 **Finest Mixed**..... ⅛ oz. 25c 10

Single Dwarf Varieties

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

2632 **Improved Rosy Morn.** The plants are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds..... 300 seeds 25

2633 **Rosy Morn, Ordinary Strain**..... 10

2634 **Dwarf Inimitable.** Regular white stars on deep old rose ground. Very effective in masses..... ⅛ oz. 30c 10

2636 **Snowball.** A fine compact sort, producing its pure satiny-white flowers throughout the entire season ⅛ oz., 50c..... 15

2637 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the above and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. ⅛ oz., 40c..... 10

2655 **PHACELIA Tanacetifolia** ⊙ 1½ ft. Large compact heads of blue flowers. Valuable for bees..... oz. 20c 05

If you have never grown Petunias, try them this year. You will like them. For freedom of bloom and variety of color they have few equals.

Phlox Drummondi

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory.

Grandiflora Varieties ⊙ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

2660 **Alba.** Pure white.
2661 **Alba Oculata.** White with dark eye, a good contrast.
2662 **Atro-purpurea.** Black brown.
2663 **Brilliant.** Rose with dark eye.
2664 **Carnea.** Flesh color.
2665 **Chamois rose with white eye;** a great favorite.
2666 **Coccinea.** Fiery scarlet.
2668 **Coerulea Striata.** Blue striped.
2669 **Crown Prince.** The flowers are large, salmony scarlet.
2670 **Isabellina.** Yellow.
2671 **Kermesina Splendens.** Vivid crimson, with white eye.
2673 **Orbicularis Atro-rosea.** Dark rose with large white center.
2674 **Orbicularis Purpurea.** Purple, with white eye.
2675 **Orbicularis Violacea.** Violet, with white eye.
2676 **Rosea.** Pink.
2681 **Violet.**

		Pkt.
	All the above.....⅛ oz., 30c; 200 seeds	10
2685	**Splendid Mixture**.....1 oz. $1.25; ¼ oz. 35c; 250 seeds	10
2690	**Drummondi Mixed.** Good Mixture. oz. 85c; ¼ oz. 25c	05
2695	**Cuspidata Mixed (Star of Quedlinburg.)** Mixture of star-shaped flowers.....⅛ oz. 25c	10
2727	**Semi-Double Varieties Mixed**.....	15

Nana Compacta Dwarf. 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

2735	**Fireball.** Blood red	⅛ oz. 35c	15
2740	**Snowball.** Pure white	⅛ oz. 35c	15
2741	**Isabellina.** Yellow	⅛ oz. 35c	10
2742	**Sky-blue with white eye.** Fine for edging	⅛ oz. 35c	15
2745	**Nana Compacta, Mixed, all colors**	⅛ oz. 30c	10

PHLOX DRUMMONDI—Vaughan's Special Mixture

2760 **Vaughan's Special Mixture Phlox.** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz. $1.60; ¼ oz. 50c; ⅛ oz. 30c.....250 seeds 15

Peace Collection Phlox

One Pkt. each, **Red, White and Violet,** Postpaid for **25c**

PORTULACA—Single

Portulaca (Rose Moss) ⊙ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear.

Large Flowering Single

2842 **White** 2845 **Pink** 2848 **Scarlet**
2844 **Yellow** 2846 **Striped**

		Pkt.
	Each of the above.....¼ oz. 25c	05
2849	**Parana.** The flowers are fully twice as large as those of other Portulacas and of the most dazzling purple scarlet, and are producing in the greatest profusion during the entire summer and fall.....⅛ oz. 25c	10
2850	**Single Mixed**.....1 oz. 70c; ¼ oz. 20c	05

Large Flowering Double

2854 **White** 2855 **Yellow** 2856 **Pink** 2858 **Scarlet**

	Each of the above.....	10
2860	**Double Good Mixture**.....⅛ oz. 30c	05
2865	**Double Best Mixture**.....⅛ oz. 50c	10

VAUGHAN'S FRIENDSHIP COLLECTION

Colossal Zinnia Mixed — **Giant Pansy Mixture**
Special Mixture Single Poppies — **Giant Branching Asters, Mixed**
Special Mixture of Strawflowers — **Special Mixture of Tall Nasturtium**

Every one of these, the "best of its kind," a collection of flowers that can be grown in any garden anywhere, we will mail this collection with your card if for a friend, to any address in the U. S. or Canada for **50c;** regular price, 65c.

POPPY—Vaughan's Special Double and Single Mixed

Vaughan's Poppies

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

Single Annual Poppies

2780 **Admiral.** Glistening white, with a broad band of brilliant scarlet around the edges.....¼ oz. 25c Pkt. 10

2782 **Bride.** Very large pure white, perfectly formed flowers 05

California Poppy. See Escholtzia.

2783 **Danebrog or Danish Flag.** Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross ¼ oz. 15c..... 05

2784 **Hansa.** The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson ¼ oz. 15c..... 05

2785 **King Edward.** Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal..... 05

2786 **Mephisto.** Scarlet with black spots..... 05

2787 **Persian (Laevigatum or Firedragon).** Dark scarlet, black spots.....oz. 30c; ½ oz. 20c 05

2788 **Tulip (Glaucum).** Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. This variety is the nearest we have to the "Poppy of Flanders" and is being sown in many gardens, parks and cemeteries in memory of our fallen soldiers. Pkt. Oz. 65c; ½ oz. 35c;..... 10

2789 **Umbrosum.** Rich vermilion flowers with a shining black spot on each petal.....¼ oz. 15c 05

2790 **Shirley, Silk or Ghost.** The beautiful satiny flowers ranging in color from delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson, all with white centers.....oz. 30c; lb. $3.00 10

2791 **Miss Sherwood.** Flowers shining, satiny white, the half of the corolla being a silky chamois rose..... 05

2792 **Single Mixed**.....oz. 20c; lb. $1.35 05

2795 **Vaughan's Special Mixture, Single Poppies.** This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice ¼ lb. 70c; 2 oz. 40c; 1 oz. 25c. 10

Double Annual Poppies

2800 **American Flag.** Flowers very large, snow white, scarlet bordered.....½ oz. 20c Pkt. 05

2801 **Fairy Blush.** The flowers have the effect of large feathery balls, overcast with a rosy shade.....¼ oz. 20c 05

2802 **Giant Double Pure White**.....½ oz. 20c 10

2803 **Giant Double Yellow**.....½ oz. 20c 10

2804 **Giant Double Pink**.....½ oz. 20c 10

2805 **Giant Double Cardinal Red**.....½ oz. 20c 10

2807 **Giant Double Lilac**.....½ oz. 20c 10

2807a **Giant Double Salmon**..... 10

2807b **Giant Double Heliotrope**..... 10

2807c **Giant Double Plum Violet**..... 10

2809 **Mikado.** Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum..½ oz. 15c 05

2810 **Scarlet King**.....½ oz. 20c 05

2811 **White Swan.** Fringed double white.....½ oz. 20c 05

2811a **Double Shirley.** Beautiful double satiny flowers in shades of white, pink and old rose with white center.... 10

2812 **Carnation-Flowered Mixture of Double Poppies.** Large sized flowers of all shades, many striped 1 oz. 25c 05

2813 **Peony-Flowered Mixture.** Double ball-shaped flowers of gigantic size.....1 oz. 25c 05

2814 **Rhoeas Fl. Pl. Double French Mixture.** Double form of the Shirley type.....1 oz. 25c 05

2815 **Double Mixed.** Many kinds and colors.....½ oz. 15c 05

2828 **Vaughan's Special Mixture, Double Poppies.** This includes all the above sorts, and will produce charming flowers in an endless variety of colors. ¼ lb. 85c; 1 oz. 30c.....½ oz. 20c 10

2797 **POPPY Eldorado.** 2 ft. ⊙. This poppy is totally distinct and one of the finest novelties in the line of annuals. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Large pkt. 20c..... 10

2798 **POPPY Eldorado Salmon Shades.** 2 ft. ⊙. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers..... 15

For Iceland Poppies see Perennial pages

2796 **Vaughan's Special Mixture Double and Single Poppies.** Comprises not only all the double and single Poppies described but also a number of other sorts especially purchased for this mixture, including some entirely new ones.....1 oz. 30c; ½ oz. 20c Pkt. 10

For Oriental Poppies see Perennial pages

Make your garden glad—Plant Vaughan's seeds.

RICINUS (Castor Bean)

STATICE SINUATA (See next page)

SALPIGLOSSIS—Vaughan's Special Mixture

2775 **POINCIANA Gilliesi (Bird of Paradise).** ⊃ The blossoms are of a rich golden yellow, about 2¼ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year..... Pkt. $0 10

Primula Chinensis (Chinese Primrose)

This is one of the most charming winter flowering house plants, and one that is entirely free from insect pests. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

2888 **Good Mixture of Single Varieties**..... 15

2890 VAUGHAN'S SPECIAL **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades.....100 seeds 35

Primula—Various Sorts

2892 **Malacoides** ⊃ 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion..... 25

2893 **Malacoides Alba.** White..... 25

2894 **Forbesi (Baby Primrose)** ⊃ 𝔍 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems..... 15

Primula Auricula and Veris (See Perennials)

Primula Obconica

This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

2896 **Appleblossom.**.....200 seeds 25

2897 **White.**.....200 seeds 25

2898 **Pink.**.....200 seeds 25

2905 **Obconica Grandiflora Mixed.** Good mixture. 200 seeds 15

Primula Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1¼ to 1½ inches in diameter, and are borne in clusters up to four inches across.

2906 **Gigantea Rosea.** A beautiful clear rose.....200 seeds 25

2909 **Gigantea Mixed**.....200 seeds 25

2910 **PYRETHRUM Aureum. (Golden Feather)** ⊙ 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual.. 10

Pyrethrum Roseum (See Perennials)

Rhodanthe ⊙ 1 ft. Swan River Everlasting.

2925 A charming annual; succeeds in a light rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting; mixed colors..... Pkt. 10

2926 **Manglesi Rose.** Bright rose flowers, very graceful, makes a pretty pot plant..... 10

2927 **Maculata Alba.** White 2928 **Maculata Rosea.** Rose, ea. 10

Ricinus (Castor Bean) ⊙

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

2930 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage.....1 oz. 15c 05

2932 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black.....1 oz. 15c 05

2934 **Panormitanus.** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered.....1 oz. 25c 10

2935 **Sanguineus.** 6 ft. Green leaved, red stems....1 oz. 10c 05

2936 **Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage.....1 oz. 15c 05

2937 **Zanzibariensis Enormis**.....1 oz. 20c 05

2938 **Mixed.** Many sorts. Lb. 85c.....1 oz. 10c 05

2940 **ROSE Polyantha Nana.** 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing..... 10

2942 **RUDBECKIA Bicolor Superba (Coneflower)** ⊙ 2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting..... 10

Salpiglossis ⊙ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a Petunia but rivalling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

2944 **Bright Crimson.** 2950 **Scarlet and Gold.**

2946 **Faust.** Black. 2951 **Velvety Violet.**

2949 **Pink.** 2952 **Golden Yellow.**

Each of the above per pkt. 15c.

2953 **Gloxiniaflora Mixed** ⊙. 2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. 15

2954 **Mixed.** Good quality.....¼ oz. 20c 05

2955 **Emperor Mixed.** Large improved strain, complete range of colors.....⅛ oz. 20c 10

2960 **Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable ⅛ oz. 35c..... VAUGHAN'S SPECIAL 15

SCHIZANTHUS—Wisetonensis

ALYSSUM—Vaughan's Little Gem, on page 65

SCABIOSA—Vaughan's Special Mixture

SALVIA SPLENDENS—Clara Bedman

Salvia Splendens (Scarlet Sage) ⊙

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

		Pkt.
2963	**Ostrich Plume.** 2 ft. Flowers bright scarlet, and instead of each stem having but one flower spike they produce a cluster not unlike a Celosia. It is quite distinct and comes true from seed	25
2964	**Fireball.** 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes	15
2965	**Clara Bedman or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. ⅛ oz. 40c	10
2966	**Drooping Spikes.** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens. ⅛ oz. 40c	10
2967	**Maroon Prince** ⊙. 2 ft. Particularly rich and royal color. A purple violet with a velvety sheen	15
2968	**Zurich.** Early. The plants are dwarf and compact with large brilliant flower spikes. ⅛ oz. 45c	15
2970	**Mixed.** The above sorts and others. ⅛ oz. 35c	10
2972	**Coccinea** 2 ft. Annual scarlet sage. ¼ oz. 20c	05
2973	**Farinacea** 3 ft. Tall spikes of silvery lavender blooms form a dense mass of foliage. ⅛ oz. 25c	10

3000 **SANVITALIA Procumbens Fl. Pl.** ⊙ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant. ¼ oz. 30c 10

Scabiosa (Mourning Bride) 2½ ft. ⊙

Commonly known as the Pineushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole of the summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

Large Flowering Double

3010	**Snowball.**	3016	**Azure Fairy.**
3012	**Golden Yellow.**	3017	**Cherry Red,**
3014	**Flesh.**	3018	**Black Prince.**
3015	**Fiery Scarlet.**	3019	**Rose.**

Each of above per pkt. 10c.

3020 **Mixed.** The above and others. ½ oz. 20c 05

Scabiosa—Continued

3025 **Vaughan's Special Mixture.** Many new colors have been purchased for this, our latest special mixture and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz. 25c — Pkt. 10

3030 **SCHIZANTHUS Hybridus Grandiflorus** ⊙ 1 ft. **(The Poor Man's Orchid.)** Neat pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. 10

3032 **Wisetonensis** 1½ ft. A charming annual with graceful fern-like foliage and a profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. A really beautiful subject for the flower border from seed raised in February, and for winter decoration in greenhouse from seed raised in May and June. 25

3033 **Mixed, all colors**. ¼ oz. 15c 05

SENSITIVE PLANT. See Mimosa.

3037 **SILENE Armeria Mixed** ⊙ 1½ ft. **(Catchfly).** A very showy early-flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. 05

3040 **SMILAX** ⌒ § 6 ft. Makes a fine pot or basket plant. Elegant for table decoration when cut. 10

SNAPDRAGON. See Antirrhinum.

3042 **SOLANUM Capsicastrum Nanum** ⌓ 2 ft. **(Jerusalem Cherry.)** Easily grown plants with ornamental fruit. Especially fine for pots. 10

3044 **Christmas Pepper.** 1 ft. Pot plant grown for the ornamental, bright colored fruit. 10

Statice A Beautiful Everlasting Flower

How to pick and dry Everlasting Flowers. A little pamphlet on this interesting subject is sent free on application.

3045 **Russian (Suworowi)** ⊙ 1 ft. Flowers bright rose color; valuable for winter bouquets. 25

3046 **Bonduelli.** Producing numerous heads of bright yellow flowers, valuable for drying, very attractive. 10

3047 **Sinuata Blue.** Forming pretty rosettes of foliage from which rise branching flower stems 2½ ft. high, light to dark lavender flowers. 10

3048 **Sinuata Rosea** 3049 **Sinuata White** ..... each 10

"Say it with Flowers" See our Friendship Collection on page 65

3050 **STEVIA Serrata** ⊙ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting.. Pkt. 10

SUNFLOWER. See Helianthus.

3136 **SWAINSONIA Grandiflora Alba** 3 ft. Loaded from tip to base with graceful sprays of large, pure white, waxy, sweet pea-like flowers; acacia-like foliage. 10

STOCKS—Large Flowering ⊙ (Levkojen)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

3051 **White** 3052 **Canary Yellow**
3053 **Flesh** 3054 **Brilliant Rose**
3055 **Crimson** 3058 **Dark Blue** 3056 **Light Blue**
Each of the above..... 10
3060 **Fine Mixed**.....⅛ oz. 20c 05
3070 **Best Mixed**.....⅛ oz. 35c 10

Giant Perfection "Cut and Come Again" 1½ ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers

3075 **White** 3080 **Scarlet**
3076 **Canary Yellow** 3082 **Light Blue**
3078 **Pink** 3084 **Dark Blue**
Each of the above..... 10
3085 **Giant Perfection Mixed**.....⅛ oz. 40c 10

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size.

3090 **White** 3095 **Empress Augusta Victoria.** Silvery lilac.
3091 **Monte Carlo.** Yellow
3092 **Azure Blue** 3096 **Pink**
3093 **Queen Alexandra.** Delicate rosy lilac. 3097 **Crimson**
3094 **Abundance.** Brilliant lilac rose. 3098 **Old Rose Improved**
3099 **Dark Violet**
Each of above..... 10
3100 **Mad. J. Paquet.** Large flowers of a rich golden yellow. 15
3101 **President Woodrow Wilson.** Violet slate colored, new. 20
3102 **Beauty of Nice Mixed**..... 10

Peace Collection — **Vaughan's Stocks** — One 10 cent Pkt. each

Red, White and Blue of any variety, prepaid for 25c

Bismarck 2½ ft

Pkt.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

3105 **White**.... 3106 **Lilac**.... 3108 **Gold Ball**....
Each of the above..... 15

Emperor or Winter 2 ft.

These are useful in planting in California out doors.

3109 **Large Flowering White Lady.** White..... 15
3110 **Empress Elizabeth.** Brilliant carmine rose..... 15
3111 **Winter Stocks Mixed**..... 15
3131 **Vaughan's Special Mixture of Stocks.** Contains all the above and many others not catalogued..... 15

3132 **STREPTOCARPUS Largest Hybrids** 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging in color from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer..... 25

3512 **THUNBERGIA Alata, Mixed (Black Eyed Susan)** ⊙ § 5 ft. Beautiful trailing plants for hanging baskets and lawn vases as well as fences and verandas..¼ oz. 25c 10

3515 **TORENIA Fournieri Grandiflora** ⊙ 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue. They are excellent for beds, pots or hanging baskets.. 10

3516 **Bailloni.** Flowers yellow with purple throat..... 15
3517 **White Wings.** Flowers white with rose throat..... 10

SWEET WILLIAM. See page of "Perennials."

STOCK Giant Perfection

Vinca Rosea (Periwinkle) 1 ft.

Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Seed germinates slowly. Pkt.

3580 **White**..... 3582 **White with Eye**.....
3581 **Delicata.** Soft pink 3584 **Pink**.....
Each of the above..... 10
3585 **Rosea Mixed**.....¼ oz. 25c 10

3611 **VISCARIA Mixed** ⊙ 1 ft. Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting..... 10

3612 **VIRGINIA STOCK Mixed** ⊙ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect.
¼ lb., 60c; oz., 25c; ½ doz., 15c..... 05

Wallflower (Goldlack) 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered in cold frames.

3615 **Single Mixed**.....¼ oz. 15c 05
3616 **Single Annual Blood Red**..... 10
3618 **Single Annual Golden Gem**..... 10
3620 **Double Mixed**..... 15
3622 **Single Annual Mixed**..... 10

3623 **WHITLAVIA Gloxinioides Blue** ⊙ 1 ft. Flowers deep lavender-blue with white throat resembling small Gloxinias..... 05

Both the Viscaria and Virginia Stocks are most desirable annuals, for bedding as well as cutflowers, and are not nearly as well known as they deserve. The Virginia Stocks make a delightful border, and if successive sowings are made in the same place a continuation of flowers can be had all summer.

Sweet Peas

Large Flowering and Unwin

		¼ Lb.	Oz.	Pkt.
3401	**Black Knight.** Dark maroon	$0 40	$0 15	$0 05
3402	**Blanche Ferry.** Pink and white	40	15	05
3404	**Dainty.** White with pink picotce edge.	35	10	05
3405	**Dorothy Eckford.** One of the best whites	35	10	05
3406	**Frank Dolby.** Finest pale blue	40	15	05
3407	**Flora Norton.** A very bright blue	40	15	05
3408	**Gladys Unwin.** Pale rosy pink	40	15	05
3412	**King Edward VII.** Fine scarlet	50	15	05
3413	**Lady Grisel Hamilton.** Lavender	40	15	05
3414	**Lord Nelson.** Richer than Navy Blue.	40	15	05
3415	**Mrs. George Higginson, Jr.** Blue	40	15	05
3416	**Navy Blue.** Deep violet blue	40	15	05
3417	**Nora Unwin.** Giant white	50	15	05
3418	**Prima Donna.** Soft pink	45	15	05

Peace Collection Sweet Peas

One Pkt. each, **King Edward VII, Dorothy Eckford** and **Mrs. G. Higginson, Jr.** for **10c.**

Mixed Sweet Peas In Separate Shades.

For such as prefer to grow the various colors separate we have arranged the following mixtures out of the finest named sorts.

3423 **Pink Shades.** Light to deep pink.
3424 **Red Shades.** Bright rose to dark scarlet.
3425 **Lavender and Blue Shades.** Pale lavender to mauve.
3426 **Purple and Maroon Shades.** All the dark colors.
3427 **White and Primrose Shades.** All the delicate tints.

Each of the above, ¼ lb. 50c; oz. 15c.

3429 **Collection, one oz., each of the five separate shades 60c.**

Sweet Peas In Mixture

		Pkt.
3430	**Eckford's Mixture.** Contains some of each of the entire list of varieties and cannot fail to give satisfaction. lb. 85c; ¼ lb. 25c; oz. 10c	05
3450	**Sweet Peas, Vaughan's Prize Mixture.** The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continual joy. 1 lb. $1.50; ¼ lb. 40c; oz. 15c	10

Verbena

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lillies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost. A carefully selected and improved strain of Verbenas.

Hybrida

		Pkt.
3525	**Defiance.** A real intense scarlet	$0 10
3526	**Dark Blue with White Eye.** Very showy	10
3527	**Lutea.** Yellow	10
3529	**Striped.** Mostly light colors with red and blue stripes	10
3535	**Good Mixed** 1 oz. 80c; ⅛ oz. 15c.	05

Mammoth Types

The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

3542	**White.** Dense heads of finely shaped white flowers	10
3544	**Mayflower.** Various shades of pink	10
3545	**Striped, White on Red Ground**	10
3547	**Firefly.** Intense red ⅛ oz., 35c	10
3549	**Purple.** Dark purple	10
3550	**Mammoth Mixed.** Producing in handsome unbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple ¼ oz. 40c	10
3551	**Hybrida Gigantea.** A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive ⅛ oz., 35c	15
3555	**Vaughan's Best Mixture.** It includes the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white-eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz. $3.00; ⅛ oz. 50c; large packet 25c; 125 seeds	15
3556	**Dwarf Mixed.** 6 in. Good for edging, making an even carpet of blossoms and leaves	15

VERBENA—Vaughan's Best Mixed

Buechel, Ky.

The Sweet Pea Seed we bought from you last Fall turned out extra fine. Stems long and continued so up to time of quit blooming, which was from November until after the middle of May.

Yours truly,
P. A. REYNOLDS

Peace Collection — Verbena

One Pkt. each, **Firefly, Mammoth White** and **Dark Blue with White Eye**, for 25c.

Verbena—Continued ⊙

Pkt.

3557 **Citriodora (Lemon Scented Verbena)** 3 ft. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens 10

3558 **Erinoides.** Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue 10

3559 **Erinoides Alba.** Of the same character as above, but with white flower heads, very pretty 10

3561 **Venosa** 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers 10

ZINNIAS

These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding purposes, and are remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets.

Elegans Fl. Pl. Double Flowered ⊙ 2½ ft.

3701 **Alba.** White
3702 **Appleblossom**; pkt., 10c
3703 **Burnt Orange**; pkt., 10c
3704 **Isabellina.** A beautiful cream yellow; pkt., 10c
3705 **Golden Yellow**
3706 **Flesh Color**
3707 **Rose**
3708 **Old Rose**
3709 **Scarlet**
3710 **Jacqueminot.** Blood red; pkt., 10c
3711 **Violet**
3712 **Zebra Striped**; pkt., 10c
3713 **Lilac**

Pkt.

Each of above, except where noted ..... ¼ oz. 25c 05

3714 **Double Good Mixed** ..... 1 oz. 40c; ½ oz. 25c 05

New Giant Flowered or Colossal 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

3715 **White**
3716 **Golden Yellow**
3717 **Sulphur Yellow**
3718 **Flesh Color**
3719 **Orange**
3720 **Scarlet**
3721 **Violet**
3722 **Purple**
3723 **Pink Shades**
3724 **Cream**

Pkt.

Each of the above ..... ¼ oz. 30c. 10

Special offer (B) Zinnias, any 6 pkts. of above for 50

Special offer (C) Zinnias, any 10 pkts. for 80

3724a **Savoja.** Extremely large, double globular flowers, whose single petals are turned upward and form little channels: The color is a singular mixture of yellow and red; the external petals begin with a nice dark red, melting gradually to the centre in golden-yellow. This may be best described as salmon-orange 10

3725 **Vaughan's Colossal Zinnias, Mixed.** The flowers are gigantic in size and deep and velvety in appearance, exhibiting all the new and interesting colors. ¼ oz. 30c 10

VAUGHAN'S GIANT "COLOSSAL" ZINNIAS

Zinnia—Continued

Pkt.

3726 **Double Crested and Curled.** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias ..... ¼ oz. 25c 10

Liliput Double 12-in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

3728 **Scarlet Gem** 10
3729 **White Gem** 10
3730 **Golden Gem** 10
3731 **Liliput Mixed, all colors.** ¼ oz. 25c .. 10

Pumila Double 18-inch

Extra double flowers, produced on regular dwarf plants.

3732 **Snow Ball** 10
3733 **Golden Ball.** 10
3734 **Pink Ball** 10
3735 **Fire Ball** 10
3736 **Pumila Mixed, all colors.** ¼ oz. 25c .. 10

3745 **Red Riding Hood** 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective ..... ¼ oz. 35c 10

3750 **Mexicana Hybrida** 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty ..... ¼ oz. 50c 15

3755 **Mexicana Fl. Pl.** 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation ..... ¼ oz. 25c 10

Wild Cucumber (Echinocystis Lobata)

Pkt.

3760 This is the quickest growing climber on our list. Grows wild self-sown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. ¼ lb. 75c; 1 oz. 25c; ½ oz. 15c 05

3765 **XERANTHEMUM Double Mixed** ⊙ 2 ft. Bright and pretty 'Everlasting' with silvery foliage and silky flowers in pink, white and purple ..... ¼ oz. 30c 10

3770 **ZEA Japonica Quadricolor Perfecta** ⊙ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped in yellow, green, rose and dark red 05

3775 **WILD FLOWER GARDEN.** A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, or roadside planting, etc. 1 lb. 85c; ¼ lb. 25c; 1 oz. 10c .....

VAUGHAN'S GLADIOLI

Grown on our Farms
Free from disease.

GLADIOLUS are the most attractive and useful for cut flowers of all the summer flowering bulbs. They give you giant spikes of perfect flowers with wonderful colors in fascinating profusion; often changing as each flower opens fully.

We grow over one hundred acres of these bulbs and harvest many hundreds of thousands, developing every year scores of new Hybrid Seedlings which surprise even our own trained men with their new types and giant blooms in novel colors.

The long graceful spikes carrying often twenty buds may be cut as the first lower flower opens, placed in water each successive bud develops a perfect flower. Our collection consists of the finest types of French, Dutch and American Hybrids. Our counter displays during August and September attract much favorable attention, at which time many buyers make selection. We also display at many Garden Club Shows.

Plantings each ten days from April to mid June will provide flowers from August to October. Planting directions given free on request.

Parcel Post 12 bulbs weigh 1 lb.; 100 bulbs 6 lbs. Add postage at zone rates.

*THE DETROIT

A giant flower with orchid colorings. Fully developed flowers measure five inches across. The color is a light pink with deeper pencilings of light crimson on the inside and outside of the upper petals, and with carmine splashes overlaying sulphur on the center third of the lower petals. Some of the flowers show little of the penciling on the upper petals.

The flower spike is long and strong like Mrs. Francis King with 13 flowers to the spike, six flowers open at a time. The general effect is as light as America. This is the largest Gladiolus flower we know of

Price, each, $1.00; doz., $10.00.

*PONTIAC—Princeps

Giant Seedling of Princeps. Considerably lighter red. Very large flower with Princeps throat markings. Petals slightly striped with deep vermillion stalk as strong as Schwaben and a taller grower than King.

Price, each, $1.00; doz., $10.00.

*MARTHA WASHINGTON

Flowers light red, but with dark, almost black blotches on the three lower petals. They set evenly and regularly on the stalk, which usually contains about 13 to 15 flowers, with 5 or 6 open at a time.

Price, each, 50c;. doz., $5.00.

*OWOSSO

Yellow—one of our 1917 seedlings; of vigorous growth, healthy and and prolific. Flower above medium size, straw yellow, deepened to golden yellow on lower petal. A distinctive feature is the carmine fleck towards the base of the petals. The stamens being very light, the effect of the flower is a very pleasing soft yellow.

Price, each 50c; doz., $5.00.

*PRIMULINUS "SUNBEAM"

One of the first varieties of Primulinus blood in America to receive a name. This variety, which we introduced in 1914 for the first time, is a cross of select yellows from the Primulinus Mixture, with the variety Sulphur King. The graceful form of all of the Primulinus type insures their popularity in our best Decorative Class. It has a clear yellow color and is a strong grower.

Price, each 15c; doz. $1.50; 100 $10.00.

*FIELD MARSHAL HAIG

A very attractive shade of light salmon-pink with ox-blood-red blotches. Medium in season, flowering in about 85 days from planting. Habit erect, with a good well opened flower spike with often eight to ten flowers showing at one time at its prime. The ruffled edges put the variety in the desirable novelty class in form as well as color. This variety does well in a cool or moist soil.

Price, each, 75c; per doz., $7.50.

EUROPE

The best pure white Gladiolus. Very large and free-flowering. Often 12 flowers open at the same time.

Price, each, 12c; doz., $1.25; per 100, $8.00,

*MARY BLACKMAN

Named in honor of the noted Blackman family of Indiana Florists.

Nanceianus variety of large size and fine quality. Flowers a beautiful shade of salmony red; the lower petals finely feathered and penciled at the base with carmine on a rich golden yellow. A very decorative variety lasting a long time when cut. **Price, each, 20c; doz., $2.00.**

*MRS. FRANCIS KING

Leading Decorative Gladiolus

This has become the most popular and effective variety for window, store and hotel decorations. The long, strong flower stalks and foliage, its effective flower spike with a good line of reserve buds continually opening, with flower 4½ inches across, five to six flowers will spread out on the spike at the same time, its brilliant vermillion scarlet color gives for vases, in hotel lobbies and dining rooms, parlor decorations, etc., an effect not produced in any other Gladiolus.

Large bulbs, each, 8c; doz., 75c; per 100, $4.00.
Medium bulbs, each, 6c; doz., 50c; per 100, $3.00.

SCHWABEN

A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best, of clear canary yellow, shading to a soft sulphury yellow when opening.

Each 12c; doz. $1.25; 100 $8.00.

ILLINOIS AND MICHIGAN

State Fair Collection

This is entirely a new collection which represents the varieties of Gladiolus that we had on exhibition at the State Fairs in Michigan and Illinois in addition to other bulbs of merit. They are all large flowering and a good range of colors, which we are sure will please.

12 bulbs $1.00, postpaid.

MRS. FRANK PENDLETON

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The blooms are wide open and are arranged individually on the very slender but wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. **Each, 12c; doz. $1.25; 100, $8.00.**

AUTUMN QUEEN

The best Autumn Gladiolus. Color cream yellow, upper petals suffused with peach blossom pink; lower petals striped carmine red. When planted late, opens full and wide late in the fall.

Price, each, 15c; per doz., $1.60; per 100, $12.00.

*MARGARET

A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight and strong, never twisted or deformed. The flowers are large, beautifully arched and 6 to 7 are open at one time. They are arranged in two rows, facing the same way, and set without crowding. A good cut flower; if cut when the first flowers open, is usable for ten days.

Price, each, 15c; doz., $1.60; per 100, $12.00.

*MRS. W. S. BREWSTER

A new Nanceianus seedling, and one of the best of this fine type. The color is white, overlaid blush, blotched brilliant red with a creamy halo; the whole forming a most pleasing blend entirely distinct and unique. The flowers are large, produced in a double row with six open at a time all facing one way in a shapely compact spike. It is an early flower, 4 feet. Good keeper.

Price, each 30c; doz. $2.75.

MYRTLE

Tender and delicate rose pink. "The most beautiful pink yet produced in Gladiolus." Brings high price in the Chicago market.

Price, each 15c; per doz. $1.50; per 100 $10.00.

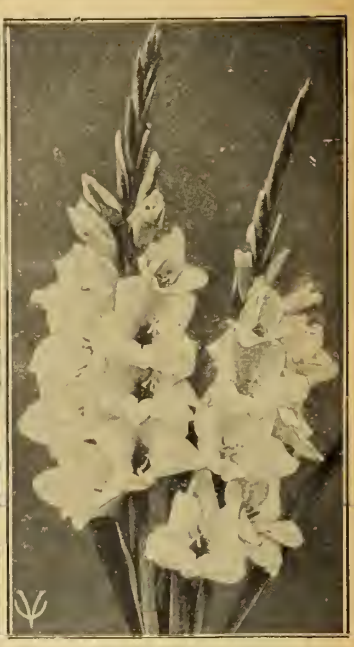
* Introduced by Vaughan's Seed Store

Vaughan's "Primulinus Sunbeam" was awarded First Prize for the best yellow at Mommouth County Show, 1917.

MRS. WALTER S. BREWSTER

CHICAGO WHITE

MARGARET



SCHWABEN

	Each	Doz.	100
ALINE. Pure white, slightly striped crimson	$0.15	$1.50	$10.00
ALICE. Large flowers with a fine lilac-violet, shaded with violet red on the lower petals	.50	5.00	....
AMERICA. Soft lavender pink. Large Bulbs	.08	.75	4.00
Medium Bulbs. All good bloomers	.06	.60	3.25
AMERIQUE. Compact, well shaped spike with large, well expanded flowers, cinnabar-red, striped red-brown	.35	3.50	....
ANNIE WIGMAN. Pale yellow, dark blotch	.12	1.25	8.00
ARISTOPHANES. Pure salmony-rose, white band in the center of each petal and straw-colored blotch	.25	2.50	18.00
ATTRACTION. Deep crimson, with large white center and throat	.10	.75	4.00
AUGUSTA. Pure white, blue anthers. Large Bulbs	.10	.80	4.50
Medium Bulbs. All good bloomers	.08	.75	4.00
BARON J. HULOT. Dark velvety purple	.12	1.25	8.00
BERTRAX. Pure white flowers of great substance	.15	2.00	18.00
BLANCHE. Pure white, with very faint markings	.30	3.00	22.00
BOUQUET d'OR. Cream yellow suffused pink with deep cherry red, yellow blotch	.35	3.50	....
CANARY BIRD. Clear canary yellow	.15	1.50	10.00
CANICULE. Clear scarlet red, creamy-white blotch	.25	2.50	18.00
CHARMER. Soft mauve-pink, blending off lighter in the throat which is penciled carmine-lake with a large blotch of same color on lower petals	.15	1.50	10.00
***CHAS. L. HUTCHINSON.**—The color of the flowers is a rich blood red, the middle rib of each petal being a shade deeper with a velvety lustre. Free flowering.	2.00	....	....
CARNATION. Fleshy-white, edges carmine	.20	2.00	15.00
* **CHICAGO RED.** Brilliant scarlet, large, opens well.	.12	1.25	8.00
* **CHICAGO SALMON.** Clear Salmon with carmine throat	.12	1.00	7.00
* **CHICAGO WHITE.** White, lavender marking in throat	.10	.75	4.50
COLUMBIA. Orange-scarlet, blotched and penciled with bluish purple	.12	1.00	7.00
CONTRAST. Large scarlet with white center	.45	4.50	35.00
CRYSTAL WHITE. One of the best pure whites	.12	1.00	7.00
DAZZLER. Magnificent large Princeps-like flowers of vivid salmon-scarlet with throat blotch of red-orange on lower petals, further ornamented with carmine-lake flakes; fine long spikes well-filled	.35	3.50	....
DESDEMONE. Ashy-rose striped lilac; large dark red blotch, edged Ivory-white. Immense spike of double-row flowers well placed	.25	2.60	20.00
ELAINE. Bright cherry-red, slightly striped with creamy-white on lower petals	.35	3.50	25.00
ELIZABETH KURZ. Pure white with faint marking	.15	1.50	10.00
ENCHANTRESS. Blush white, slightly flaked with lake-pink toward the margins; throat encircled on the lower petals with carmine-lake blotch	.25	2.50	....
EUROPE. Pure white. **Best white we know**	.12	1.25	8.00
EPICURE. Enormous flowers, white, slightly lilac	.35	3.50	....
FASCINATOR Splendid large flowers of salmony-pink tinted with flakes of carmine, throat blush with carmine-lake pencilings, long spike, graceful	.15	1.50	10.00
FERNANDO CORTEZ. Pale yellow, violet-red striped.	.35	3.50	....
FIRE KING. Long graceful spikes showing half a dozen immense blooms open at the same time. Color intense fire-scarlet. More brilliant than Brenchley-ensis or Cardinal. Is perfectly grand	.10	1.50	10.00
FLAMBEAU. Immense flowers of vivid orange-scarlet with an effective throat blotch of white, shaded and marked with tyrian-lake on the lower petals	.45	4.50	....
FLORENCE. Bright lilac, white blotch on lower petals.	.45	4.50	....
EVELYN KIRTLAND. The flowers, of strong substance, are a beautiful shade of rosy pink, darker at the edges, fading to shell-pink at the center with brilliant scarlet blothes on lower petals; the entire flower showing a glistening, sparkling lustre. Very tall spike. Extra fine form and color	.25	2.50	20.00
***GIANT WHITE.** A very large flower	.45	4.50	....
GLEAM, bright cherry-rose slightly lined with carmine-lake at the throat on lower petals, well filled spikes	$0.20	$2.00	....
GLORY OF HOLLAND. Pure white	.12	1.25	$8.00
GLORY OF BRIGHTWOOD. Scarlet, lemon throat	.10	1.00	7.00
GORGEOUS. Vivid scarlet, with large, strongly contrasting, silvery white throat blotch on three lower petals	.25	2.50	....
GRAND CONDE. Salmony-rose striped with violet-red, white blotches	.30	2.75	....
GRETCHEN ZANG. A fitting companion to the Evelyn Kirtland. Large heavy sparkling blooms, a beautiful soft melting shade of pink blending into scarlet on lower petals. Spike tall and graceful	.15	1.50	12.00
GOLDEN KING. A brilliant golden yellow, with intense crimson blotch in throat, giving a magnificent effect. Flowers well opened and well set on a very careful spike	.10	.90	6.00
HALLEY. The predominating color of these flowers is delicate salmon-pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center, the whole producing a delightful effect	.10	.90	6.00
HERADA. Something entirely different, but another good one. Blooms of immense size on tall straight spikes. Massive in every way. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. A very attractive color	.20	2.00	15.00
* **HYDE PARK.** Frosty sparkling white, penciled and feathered with light and dark rose, but the lower petals are much more distinctly blotched with cream	.10	1.00	7.00
JEAN BART. Bright crimson-red, ivory white blotch	.20	2.00	15.00
* **JESSIE.** Rich velvety red	.12	1.25	8.00
KLONDYKE. Light yellow, with crimson	.10	.90	6.00
KOENIGIN WILHELMINA. Clear salmon pink, cherry red blotch, edged white	.20	2.00	....
LA COMETE. Violet-lilac, with stripes of a paler shade, white blotch	.35	3.50	....
LA LORAINE. Bright salmony-red, blotch dark purplish red	.25	2.50	....
L'INNOCENCE. Delicate blush suffused rose, yellow blotch with faint carmine stripes	.40	4.00	....
LOVELINESS. Cream pink. Many lowers often the same time, very large, broad and showy spike	.10	1.00	7.00
LUSTROUS. Large flowers of lovely orange-rose; lower petals have a large throat blotch of yellow, slightly shot with purplish-lake	.20	2.00	15.00
LUTIN. Cherry red with deep crimson blotch	.25	2.50	18.00
MADAME BRUNELET. Rosy lilac and carmine	.35	3.50	....
MADAME MONNERET. Delicate rose	.10	.90	6.00
MADAME P. PALMER. Rose suffused with carmine, blotch cream colored, edged cherry-red	.40	4.00	....
MRS. W. E. FRYER. Bright scarlet	.40	4.00	....
MENTOR. Slate color with a rosy hue, red blotch on white ground	.40	4.00	....
* **MARY BLACKMAN.** Flowers salmony red; feathered and penciled with carmine	.20	2.00	....
* **MARGARET.** A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight and strong	.15	1.60	12.00
MERCEDES. Carmine rose and pale rosy-white; red blotch	.40	4.00	....
MYRTLE. Tender and delicate rose pink. "The most beautiful pink yet produced in Gladiolus." Brings highest price of any variety in the Chicago market	.15	1.50	10.00
MEPHISTO. Coppery scarlet	.25	2.50	....
MRS. BEECHER. Deep rosy crimson, throat pure white	.10	.90	6.00
* **MRS. FRANCIS KING.** Brilliant vermilion scarlet. Most popular and effective variety for all occasions.			
Large Bulbs	.08	.75	4.00
Medium Bulbs	.06	.50	3.00
MARIE THERESEE. White with a few rosy stripes	.20	2.00	15.00

*** Introduced by Vaughan's Seed Store.**

"RUFFLED" GLORY

WAR

EUROPE

Introduction of Vaughan's Seed Store—The Greatest Single Advance in Gladiolus Breeding

PRINCEPS—King of all Gladiolus

	Large, Each	Doz.	100
MRS. F. M. LUPTON. A distinct light rose. well-spreading flower and long perfect spike	$0.40	$4.00	....
MONT CENIS. Fine white, full spike, strong grower	.35	3.50	....
MORNING STAR. White with crimson throat	.10	.90	6.00
MADAME APPERT. Tall plant; large well opened flowers of carmine-rose color; blood red blotch on a white ground; white midddle band	.50	5.00	....
MRS. FRANK PENDLETON. Flushed salmon pink, with rich maroon blotch on the three lower petals	.12	1.25	8.00
***MRS. W. S. BREWSTER.** Whit overlaid hlush; blotched hrilliant red with a creamy halo	.30	2.75	....
NIAGARA.—A delightful cream shade blending to canary yellow, splashed with carmine	.10	1.00	7.00
NEGERFURST.—Velvety red	.40	4.00	....
NEZINSCOTT. Bright hlood searlet with desp vslvety erimson-black blotch and white mottlings	.12	1.25	8.00
ORANGE GLORY.—Bright orange with slight purple and white markings in throat	.45	4.50	....
PANAMA.—A grand variety which evokes words of praise wherever exhibited. Color, rich salmon-pink	.10	1.00	7.00
PEACE. A grand white flower, very large, with pale violet feathering on lower petals; flowers correctly placed on a tall graceful spike. Should be planted early	.10	1.00	7.00
PHLEGETON. Dazzling scarlet-red, violet-red blotch	.30	2.75	....
PINK PERFECTION. Delicate apple blossom pink	.15	1.50	10.00
***PRINCEPS.** Brilliant scarlet erimson, carrying mostly three white hlotehes on lower petals	.10	1.00	7.00
PRIMULINUS (Kunderd's).			
Alice Tiplady. Orange saffron	.25	2.50	
Anita. Canary yellow	.25	2.50	
Angola. Salmon pink	.20	2.00	
North Star. Deep yellow	.20	2.00	
Regulus. Orange salmon, with delicate yellow	.20	2.00	
Sweet Orra. Pale sulphur	.20	2.00	
PRIMULINUS MAJOR HYBRIDS.—The range of colors is very remarkahle, from the purest and lightest of yellows down to the deepest orange and from the softest shade of salmon pink down to a rieh erimson. On account of their slender and graceful habit, delieats colors and peculiar shape of the flowers these Hybrids are ideal for in-door decorations	.10	.90	6.00
PRINCE OF WALES. This is in our estimation one of the best novelties of recent introduction. The flowers are large and well placed and the color is a most charming coral pink. It is evidently a sport of "Halley" hut an improvement on it in every way, heing larger and of taller growth and also somewhat earlier; also it has a more delieate tint and is practically without throat markings. We are very certain that this is a variety of superior merit and recommend it to our customers unreservedly as one of the best of its shades. A lovely coral-pink	.25	2.50	20.00
RUBY KING.—Intense dark, ruby red	.10	1.00	7.00
RUFFLED GLORY. With "Ruffled" Petals—Delicate pink, with erimson stripe in the center of each lower petal. The broadly expanded, wide open, paired flowers, all faee in the sams direction and ars carried on straight, stout 3½ feet stalks. Each petal is exquisitely ruffled	.15	1.50	10.00
ROSY SPRAY. White, beautifully sprayed rose	.10	.90	6.00
SCRIBE. Tender ross, tinted white, striped carmins	.10	.90	6.00
SHAKESPEARE. Blush white, with largs rosy blotch	.10	1.00	7.00
SILVERETTA. Blush white with carmine blotch	.45	4.50	....
SCHWABEN. Clear eanary yellow, shading to soft sulphur	.12	1.25	8.00
SPHINX.—Very tall plant; long spike of pure lilac red flowers, with a purplish-red blotch and a whits hand on ths lower petals	.35	3.50	....

SPECIAL OFFER No. 100B. Two each of the following six varieties sent by mail, postpaid, for 75c: Mrs. Francis King, America, Chicago White, Schwaben, Halley, Baron J. Hulot.

	Each	Doz.	100
SUNBURST.—Bright canary lightly edged with flames of carmine-rose	$ .40	$4.00	....
SULPHUR KING. Clear sulphur yellow	.20	2.00	$15.00
***VELVET KING.** Dark scarlet, similar to Brenchleyensis	.10	1.00	7.00
VIOLA. A very large Lemoine typs flower of exquisite mauve-blue, gradually shading to rieh violet at the edges; throat toned canary with purple-garnet	.25	2.50	....
WAR. Desp hlood-red, shaded erimson-blaek	.15	1.50	10.00
WILLY WIGMAN. Creamy whits, scarlet hloteh	.10	1.00	7.00
WILD ROSE. Delicate rose	.10	1.00	7.00
WINSOME. Great round flowers of exquisite blush, shot and shaded with carmine pink. A conspieuous throat blotch of crimson-lake	.25	2.50	....
WHITE KING. Rich sulphur white	.10	1.00	7.00

GLADIOLUS IN COLORS

	Doz.	100		Doz.	100
Blue shades	$1.00	$ 7.00	**Scarlet with White**	$ .60	$4.00
Lilac and Violet	2.00	15.00	**Striped Shades**	.60	4.00
Pink	.50	3.25	**White and Light**	.50	3.25
Pink and White	.60	4.50	**Yellow Shades**	.75	5.00
Scarlet and Red	.50	3.25			

VAUGHAN'S RAINBOW MIXTURE

This name has heen ehosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including Freneh kinds with several other choics varieties of whieh we do not have suffieiently large quantities to offer in our eatalogues. "This is the best mixture we can make up, and we helieve unexeelled hy that offered hy any American firm.

Price, doz., 75c, postpaid; by exp., 50 for $2.75; 100 for $5.00; 250 for $11.00; per 1000, $40.00.

EXTRA FINE MIXED

This mixture eontains many of the new named sorts used in the "Rainbow" with fifty per eent. of standard best kinds mixed together. This insures a wide range of colors, shades and types.

Doz., 60c, postpaid; by exp., 50 for $1.75; 100 for $3.25; per 1000, $27.00.

VAUGHAN'S STANDARD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD MIXED," will be found satisfaetory everywhere, except where special named kinds are wanted. They are useful for mixed beds, borders and masses.

Price, doz., 40c, postpaid; by express, 50 for $1.40; 100 for $2.50; 250 for $5.75; 500 for $11.00; per 1000, $20.00.

HOMEWOOD MIXTURE

This is a fine grade of hulbs, ahout one inch in diameter, all hlooming size, seleeted from some of the choice kinds we grow in large quantities on our farms. They will give as large a spike as a fully matured hulb, but as they do not come up to the specified size for our regular trade, we make this special offer to those who want a moderately prieed grade of some of the ehoicest kinds. The hest pinks, whites, reds, and many odd and pleasing shades are ineluded.

Price, prepaid, 50 bulbs for $1.00; by express, at purchaser's expense, 250 for $4.00; 500 for $7.00.

SPECIAL OFFER No. 200B. Two each of the following six varieties sent by mail, postpaid, $1.00: Chicago White, Chicago Salmon, Chicago Red, Margaret, Sulphur King, Panama.

SPECIAL OFFER No. 300B. Two each of the following six varieties sent by mail, postpaid, for $1.00: War, Peace, Primulinus, Sunbeam, Mrs. Frank Pendleton, Pink Perfection, Baron J. Hulot.

* Introduced by Vaughan's Seed Store

CALADIUM ESCULENTUM

Summer Flower Bulbs

Why Vaughan's Bulbs are Popular

These roots are matured so their flowering is certain. They often sueeeed when seedlings and tender plants fail.

Our popular Cannas have made Chicago Parks flower beds famous. Our Caladiums make a tropieal display.

Vaughan's Gladiolus are seen in midsummer in thousands of vase displays, hotels, restaurants and private homes. Select our named kinds or mixtures for your garden and you will astonish your guests at every dinner party from July to October.

Price given for single bulb and certain dozen prices includes prepayment. Other quantities are not prepaid free unless so marked. See front inside cover page for exact particulars. (Word "Exp." means sent at buyer's expense.)

CALADIUM Esculentum (Elephant's Ear)

CALADIUM BULB

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. **(For started plants,** May 20, add 5 cents per plant to these prices.)

FIRST SIZE BULBS. 5 to 7 inch circumference.
Price, each, 15c; by exp., doz., $1.60; per 100, $11.00.

SELECT SIZE BULBS. 7 to 9 inch circumference.
Price, each, 22c; by exp., doz., $2.25; per 100, $15.00.

EXTRA LARGE BULBS. 9 to 11 inch circumference.
Price, each, 30c; by exp., doz., $3.00; per 100, $20.00.

MAMMOTH SIZE. 12 inch and up circumference.
Price, each, 50c; by exp., doz., $5.00.

Mailing weights each size per dozen bulbs as follows: First 4 lbs., Select 6 lbs., Extra 10 lbs., Mammoth 17 lbs.

AMARYLLIS

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. (Cultural leaflet free on request.)

VAUGHAN'S NEW HYBRIDS

One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose stock we have purchased out and out. Flowers are immense, borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains.

Price, Large, 3-inch Bulbs, each, 65c; doz., $6.50; 25 for $10.00, both prepaid.

BELLADONNA MAJOR. Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high.
Price, each, 35c; per dozen, $3.75; per 100, $27.00 (exp.)

JOHNSONII. Scarlet. with clear light stripes, very good.
Price, each, 40c; doz., $4.00; per 100, $30.00 (exp.)

APIOS TUBEROSA Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria; are very fragrant and of a deep purple color.
Price, each, 8c; per doz., 60c, postpaid; 100, $4.00 (exp.)

CALLAS Elliotiana (Golden Yellow Calla). The most sensational advance in Calla Lily flowers this century. A good bloomer, very distinct. You will be delighted with its wonderful flowers and rare coloring; leaves green, spotted white.
Mammoth bulbs, each 35c; doz. $3.50; per 100, $27.00.
Medium bulbs, each, 30c; doz. $3.00; per 100, $22.00.

CHLIDANTHUS FRAGRANS Of free flowering habit, with beautiful lemon flowers; very fragrant. **Each, 10c; doz, 75c. Prepaid.**

CINNAMON VINE Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.
Large Roots, each, 10c; 3 for 25c; doz. $1.00, postpaid; per 100, $6.50;. By exp.

MEXICAN TUBEROSE

HYACINTHUS CANDICANS (Summer Hyacinth). Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, four feet high.
Price, each, 10c; doz., 75c, postpaid; by exp.; 100, $5.00.

IPOMOEA PANICULATA (Mexican Morning Glory.) Introduced and at present supplied only by us. The vine grows 25 feet long, and the leaves are 10 inches apart, with a cluster of pinkish lavender flowers at each leaf. Store roots, same as Dahlias.
First Size. Price, each, 35c; doz., $3.75 (exp.)
Extra Size. Price, each, 50c; doz., $5.00(exp.)

ISMENE CALATHINA Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Treat bulb same as Gladiolus
Price, each, 12c; doz., $1.25 prepaid; per 100, $8.00 (exp.)

MADEIRA VINE One of the best and most popular climbers for foliage effect.
Price, each 10c; doz. $1.00, postpaid; per 100 $6.00 (exp).

OXALIS (Summer Flowering). These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. Colors, White, Red, Pink. **Price, either color, doz., 25c; 100 for $1.00, postpaid; per 1,000, $6.00 (exp.)**

ZEPHYRANTHUS One of the prettiest and most easily grown bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as Gladiolus.
CANDIDA. Pure white and the most profuse bloomer of all.
Price, each, 10c; doz., 90c, postpaid; 100, $6.00, (exp.)
ROSEA. Beautiful clear rose; flowers large and very handsome.
Each, 15c; doz., $1.60; postpaid; per 100, $12.00 (exp.)

OUR Trade-Mark

TUBEROSES, Double and Single

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier.

EXCELSIOR DWARF PEARL Our Excelsior Dwarf Pearl is a special selection, made for many years of the most dwarf double and full flowered spikes, and is exceptionally sturdy and dwarf in habit; the highest type of all.
MAMMOTH SIZE. Price, each, 15c; doz., $1.50, postpaid.
FIRST SIZE BULBS. Price, each, 10c; doz., $1.00, postpaid; per 100, $7.00, by exp.
SECOND SIZE BULBS. Often sold by "bargain-stores" under the name "first-class."
Each, 7c; doz., 75c, postpaid; per 100, $5.00, by exp.
ARMSTRONG'S EVER-BLOOMING. This variety blooms year after year and has a fragrance similar to the "Jasmine." **Price, each, 10c; doz., 90c, postpaid; per 100, $6.00, by exp.**
SILVER-LEAVED. This is an early single kind, with striped leaves, making a grand show with its striking foliage. **Price, each, 10c; doz., 90c, postpaid; per 100, $6.00, by exp.**
ALBINO. Branching single variety, early bloomer. **Price, each, 10c; doz., $90c, postpaid; per 100, $6.00. Exp.**

MEXICAN TUBEROSE These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single, delightfully fragrant. They withstand all kinds of wind and weather except hard frosts, commence to bloom in May and are a mass of white until frosted.
Price, each, 10c; doz., 90c, postpaid; per 100, $6.00, by exp.

TUBEROSE—EXCELSIOR PEARL

I have never had such beautiful Gladioli as those which I got from you last Spring. Professor Sargent of Boston, who spent Wednesday with me, and Mrs. King agree with me in this.
MRS. W. S. BREWSTER, Lake Forest, Illinois.

I bought 50 small Gladiolus Bulbs of you last winter and they all bloomed, and such a delight. Each day something new and the finest flowers I have ever seen.
MRS. ESTHER DUGLAY,
Churubusco, Ind.

LILIUM AURATUM

Lilium Speciosum—Lance-leaved Lily

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum and Melpomene** types.

	Each	Per Doz.	Per 100
Album—Pure white			
First Size (8-9 in.)	$0.50	$5.00	$35.00
Mammoth (9-11 in.)	.65	6.00	45.00
Rubrum—White, spotted and rayed rosy red. We consider this the most satisfactory of the Speciosum class.			
First Size (8-9 in.)	$0.40	$4.00	$30.00
Mammoth (9-11 in.)	.60	5.50	40.00
Melpomene—White, spotted and splashed deep crimson.			
First Size (8-9 in.)	.50	5.00	35.00
Mammoth (9-11 in.)	.60	5.50	40.00

Various Hardy Lilies

Canadense.—**(Meadow Lily.)** Gracefully drooping, bell-shaped, red and yellow flowers typical of our northern meadows.
Each, **20c**; doz., **$2.10**; 100, **$15.00.**

Henryi. A new, rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown. Each, **75c**; doz., **$7.50.**

Elegans Mixed. A splendid assortment of this type.
Each, **15c**; doz., **$1.60**; 100, **$12.00.**

Krameri. Delicate rose pink of elegant outline and graceful habit. Blooms in July. Each, **50c**; doz., **$5.00**; 100, **$40.00.**

Pardalinum—(Leopard Lily). Rich scarlet and yellow, spotted rich brown. Each, **25c**; doz., **$2.50**; 100, **$18.00.**

Superbum. The finest of the native Lilies. Flowers bright orange, spotted purple. Each, **20c**; doz., **$2.10**; 100, **$15.00.**

Tigrinum Splendens. Very hardy native Lily; orange, spotted purple. Each, **25c**; doz., **$2.50**; 100, **$18.00.**

Tigrinum Flore Pleno—(Double Tiger Lily). The well known double Tiger Lily. Rich orange blossoms, 4 foot.
Each, **25c**; doz., **$2.50**; 100, **$18.00.**

Tigrinum Fortunei — (Improved Tiger Lily). Bulbs will produce more flowers than the ordinary variety.
Each, **25c**; doz., **50c**; 100, **$18.00.**

Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot.
Each, **25c**; doz., **$2.50**; 100, **$18.00.**

Lily of the Valley. Large Clumps. For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Each, **50c** (postage extra); doz., **$5.50**; 100, **$42.00.**

Average weight of each clump is 3 lbs. Postage extra, as per rates on inside of front cover.

Vaughan's Lily Bulbs

For Pot Culture or Out-door Planting in Beds or Hardy Plant Border

FOR color, fragrance beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Free pamphlet, "Naturalizing Lilies," ask for it with order.

Outdoor Culture.—When planting Lilies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border.

Spade over the ground thoroughly to a depth of 18 inches before planting Lilies and enrich it by adding equal portions of leafmould, peat and rotten manure. Plant the bulbs 4 to 6 inches deep, putting some sand under and around the bulbs.

Indoor Culture.—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 60°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. **Thorough rooting is essential.**

Lily Bulbs by Parcel Post. For postage Zone rates see inside front cover.

Approximate Weights of Liliums. 8-9 inch, doz., 4-5 lbs.; 9-11 inch, doz., 6-7 lbs.; 11-12 inch, doz., 9-10 lbs.

Lilium Auratum

The Gold-banded Lily of Japan

The most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 inches), each, **40c**; doz., **$4.00**; 100, **$30.00.**
Mammoth (9 to 11 inches), each, **60c**; doz., **$5.50**; 100, **$40.00.**

Auratum Platyphyllum

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted but much larger, the petals more overlapping, and of greater substance.

First Size (8 to 10 inches), each, **75c**; doz., **$7.50.**

Lilium Auratum Rubro-Vittatum

A beautiful distinct and imposing Lily of the Auratum type, producing flowers quite as large as the golden-rayed variety, but instead of the golden rays there is down the center of each long recurved petal a heavy band of crimson, accompanied by crimson spots on a pure white ground.

First Size (8 to 10 inches), each, **75c**; doz., **$7.50.**

LILIUM SPECIOSUM RUBRUM

Cannas

A Canna Bed

Yellow King Humbert Canna

Canna Hungaria

IN a city parkway or apartment building yard, where the sun's glare is unbroken and dust from the paved streets would make life precarious for many species, a flower which may be depended upon to thrive is the canna.

It is a splendid flower, second to few for use in the garden, but surpassing all for ornamental planting in urban surroundings. Given thoroughly enriched soil (for it is a voracious feeder) and plenty of water (its leaves should be washed with the hose at least twice a day in hot weather) it will blossom in full brilliance from Decoration Day until frost comes. For flowers this early in the latitude of Chicago, plants started in the greenhouse should be used.

The canna is fitted by its habit of growth for use in formal plantings such as are best adapted to limited space in close relationship to buildings. Plants of a given variety may be depended upon to be of uniform height and thus may be arranged with exactness in beds and borders. New stalks are produced, but they rise close together and do not spread out of the alignment which the planting scheme demands. The flowers may be had in both solid and variegated colors and the varieties vary from dwarf to giant size.

The blossoms are large and beautiful in form; they are produced in clusters, and if they are picked off as they fade to prevent the formation of seed, the plant will continue to blossom. The leaves contribute to the decorative effect of the plant quite as much as the flowers. They are large, glossy, of leathery texture and droop gracefully from the central stalk. In color they are either green or deep purple. Green and purple leaved varieties may be used together with pleasing effect.

Beds of a single variety, arranged with edgings of lower-growing annuals are excellent for use in parkways and courtyards. The giant King Humbert, with its purple leaves and dark red flowers, may always be counted upon to excite admiration.

The smooth surface of the Canna leaf offers no lodging place for city soot and frequent washings preserve both the good health and the appearance of the luxuriant foliage. The plants are remarkably free from insect pests and disease.

In the hot and dusty days of midsummer in the city, when other vegetation seems parched no matter how much it is watered, the Cannas preserve their freshness and vigor, provided they have their regular baths. The tubers of the Canna plants are taken up when frosts come. They may be divided and planted again in the spring. When planted in outside beds they produce flowers later than those which have been started in a greenhouse, but of equal quality. The home gardener may thus replant indefinitely beds for which he has purchased plants.

CANNA FIREBIRD

Gladioli

THE DETROIT
(Vaughan—1920)
A giant flower with orchid coloring in pink

IT IS unusual for the greatest yield to be attended with the least risk. Rarely are flowers of the highest merit at the same time the most easily grown, and the surest of success. But such is the case with the gladiolus. If one has room for only a single species in his garden, he will do well to let that be the gladiolus.

This flower was little known twenty years ago. Its present glory is the development of scientific breeding, which has found in it a remarkably responsive subject. Both in color, form and size the improvements have been so wonderful as to surprise the experimenters. The ruffed and giant types are the latest productions. Princeps, the first of the giant type, originated by Van Fleet, was introduced in this country by Vaughan's Seed Store.

Our fields of gladioli in Illinois and Michigan cover hundreds of acres, and our growers have made many notable contributions to the new varieties of merit. Two of our this year's introductions are illustrated.

In the garden the gladiolus can be counted upon to produce a flower wherever it is planted. It does not exact the best of soil or the most favorable location, although at the same time it responds gratefully to good treatment. Successive plantings from May through June will provide blossoms from July to October.

Europa, a remarkable white of recent introduction, illustrated to the right

It is for their use as cut flowers, however, that gladioli have won the highest recognition. There are few of the greenhouse flowers that can vie with the garden-grown gladiolus in the qualities that are valuable for indoor decoration.

Among these qualities are color, beauty and delicacy of form and texture, and ability to keep fresh in water. The modern gladioli include a wonderful range of colors in almost innumerable combinations. The blossoms, borne on spikes of as many as twenty buds, may be cut as the lowest bud opens and if placed in water will keep fresh until all have matured. The stem may be divested of faded flowers, leaving it as fresh as when brought from the garden until the last flower on the spike has matured.

Though not a native of this continent, the gladiolus has shown an exceptional adaptability to our soil and climate. It is one of the few bulbs which can be grown commercially in this country—thanks to its vigor and freedom from disease. The superlative value of the gladiolus for decorative purposes is being increasingly recognized by commercial florists. Hundreds of thousands of cut blossoms are handled by the flower markets of our cities. For the price of a few bulbs the home gardener may enjoy flowers of this quality throughout the summer.

PONTIAC PRINCEPS
(Vaughan—1920)
Large red flower with very stout, tall spike

A view of Vaughan's gladioli field at Homewood, Ill., illustrated below

MME. DE VERNEVILLE

FELIX CROUSSE

FESTIVA MAXIMA

MARGUERITE GERARD

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

Planting. Peonies may be planted in spring as soon as the frost is out of the ground. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of **rotten** stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. We offer three sizes, viz:— **Divided roots,** 2 to 5 eyes. **Medium roots,** 4 eyes and up. **Large roots,** 4 to 5 year old clumps, 8 eyes and up.

D—Divided. M—Medium. L—Large Roots.

White and Light Varieties

Albatre. Very large flower of compact, globular form. Color, milky white with ivory shading; the wide center petals tinged lilac and edged with carmine in minute flecks, inclined to vary. A strong, upright grower and one of the best varieties in the white section. **D, 75c; M, $1.60.**

Carnea Triumphans. Guards and crown pale pink, collar amber-white, fragrant. Midseason. **D, 75c; M, $1.25; L, $1.85.**

Charlemagne. Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house than on the plant. Late; extra. **D, 65c; M, $1.00; L, $1.50.**

X **Couronne D'Or.** Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. **D, 75c; M, $1.50.**

Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. **D, 65c; M, $1.00; L, $1.60.**

Duc de Wellington. Large bomb, white guards, sulphur center. Fragrant. Medium tall, vigorous grower; free bloomer. Late. **D, 75c; M, $1.20; L, $1.80.**

X **Festiva Maxima.** Conceded to be the finest of all white Peonies for any purpose. Very large, 7 to 8 in. in diameter, clear white flowers, prominently flexed crimson, the outer petals sometimes faintly tinged lilac-white on opening. Vigorous and erect in growth. Early. **D, 65c, M, $1.20.**

Jeanne d'Arc. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. **D, 65c.**

X **La Tulipe.** Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. **D, 75c; M, $1.20.**

Madame Breon. Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. **D, 65c; M, $1.20, L, $1.60.**

X **Madame de Verneville.** A large full flower of bomb type; pure white with carmine-tipped central petals. A splendid early-flowering variety of pleasant odor; extra free. **D, 75c; M, L, $1.20.**

Marie Lemoine. A late-flowering ivory-white, occasionally showing carmine tracings on the petal edges. Enormous flowers on heavy, erect stems, standing well above the foliage. **D, 65c; M, $1.20; L, $1.60.**

Light and Dark Pink and Rose

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. **D, 80c; M, $1.20.**

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. **D, 75c; M, $1.20; L, $1.60.**

Kohinoor. Shell pink, very free, splendid cut flower. Midseason. **D, 60c.**

Light and Dark Pink and Rose—Cont.

Madame Barillet Deschamps. Semi-rose type flat and imbricated. Clear violet-rose toning with age to a silvery pink. Medium height. Midseason. Very fragrant. **D, 85c; M, $1.20.**

X **Madame Emile Lemoine.** Large, globular, compact, semi-rose type. Milk-white. Medium height. **D, $1.00; M, $1.60.**

Madame Forel. Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. **D, 75c; M, $1.25; L, $1.80.**

X **Marguerite Gerard.** Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals flecked dark carmine. Free, late. Extra. **D, $1.00; M, $1.50.**

X **Monsieur Jules Elie.** Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping; color, glossy flesh-pink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. **D, $1.00; M, $1.60; L, $2.50.**

Souvenir de G. Calot. Very large bloom, satiny pink, shaded glossy soft lilac. **D, 60c; M, $1.00; L, $1.35.**

Red and Crimson Sorts

X **Felix Crousse.** Large, compact, and typical bomb-shaped red, dazzling in the brilliancy of its color; it is in fact, the best red Peony. Free midseason blooming and quite fragrant. **D, 75c; M, $1.25; L, $2.00.**

Gloire de Douai. Large flower of a glowing rich crimson. **D, 65c; L, $1.50.**

Karl Rosenfield. Very large flower, globular semi-rose type. Extremely vigorous grower, tall, and free-flowering. As an early red it has no equal. **D, $2.50.**

X **La Grange.** This variety appeared with us as a rogue in "Charlemagne" some years ago. It impressed us as being very desirable on account of its striking red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. **D, 75c.**

Louis Van Houtte. Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex. Medium late. **D, 75c; M, $1.25.**

X **M. Krelage.** Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. **D, $1.00 M, $1.50.**

X **M. Martin Cahuzac.** Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower Free bloomer. Midseason. **D, $3.00.**

Single Unnamed.

Single Crimson, divided roots, **each, 75c.**

Single Pink, divided roots, **each, 75c.**

Single White, divided roots, **each 75c.**

None of the Early Flowering Summer Perennials can excel the Peony in beauty of form, color and fragrance. Peonies should be in every garden.

ACHILLEA, Perry's White

ANTHEMIS Kelwayii

AQUILEGIA (Columbine)

Vaughan's Perennial

OUR offerings of Perennials, both **seeds** and **plants,** are more extensive this year than they have been during the war, owing to European sources being again available, and tho' not as complete as we should like the list to be, perhaps next year we will have it again on a pre war footing.

Perennial Plants of European origin, can no longer be imported except for propagating purposes, by ruling of the Federal Horticultural Board s Plant Quarantine Act No. 37, which went into force June 1st, 1919. For the present, herefore, our list of **plants** must be curtailed until stock of our own propagation is ready to send out.

Ordering } It will be sufficient when ordering **seeds** to use the marginal numbers only.

Plants should be ordered by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

Prices of Plants—Important Changes for 1920

THE increased cost of labor and time involved in collecting, labeling and assembling long and extended lists of plants when ordered one of a kind, compels us to charge more than heretofore for single plants; on the other hand we make the price of twelve and three of a kind so attractive that it should induce our customers to buy at least three of a kind and order less varieties. You get a sufficient number of plants for your known requirements, but fewer varieties, and less chance of total failures, having three to succeed with instead of one.

We respectfully urge our customers to adopt this plan for their own economy and to facilitate expeditious filling of orders.

Prices This Year are as Follows:

Plants priced at	per dozen	3 supplied for	Each
$2.50		$0.65	$0.30
3.00		.85	.35
3.50		1.00	.40
4.00		1.25	.50
4.50		1.35	.55
5.00		1.50	.65

Plants by Parcel Post If to be sent by parcel post add postage as follows: Single plants, **5c;** 3 plants, **10c;** 6 plants, **15c;** 12 plants, **25c.** We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully but accept no responsibility for delays over which we have no control that may cause injury to the contents.

5000 **ACANTHUS Latifolius.** Aug. 3 ft. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants...Pkt. **10c**

5001 **—Mollis.** Flower spikes 4 ft. high of white and lilac flowers. Oz., **25c**.....Pkt. **10c**

ACHILLEA. (Yarrow, Milfoil). Free flowering plants of easy culture for the mixed border; most of the varieties are very suitable for cutting.

—Eupatorium, Parker's Variety. June-Aug. 1½ ft. pale yellow flowers. *Plants, doz.,* **$3.00;** 3 for **85c.**

—Millefolium Roseum. 2 ft. June-July. Bright rose-pink *Plants, doz.,* **$3.00;** 3 for **85c**

—Ptarmica fl. pl. Boule de Neige. 2 ft. June to Aug. Double, white. *Plants, doz.,* **$3.00;** 3 for **85c.**

——Perry's White. 2 ft., June to Aug. Flowers fully double and pure white, very free and continuous blooming; the best of all. *Plants, doz.,* **$3.00;** 3 for **85c.**

5003 **——The Pearl.** 2 ft. June to Aug. Pure white, fine for cutting. *Plants, doz.,* **$3.00;** 3 for **85c**.....Pkt. 15c

ACONITUM (Monkshood). Roots are poisonous, with bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere.

5004 **—Fischeri.** 2 ft. Sept. Large porcelain blue flowers.....Pkt. 10c

—Spark's Variety. 5 ft. Aug. Violet blue. *Plants, doz.,* **$3.60;** 3 for **$1.00.**

5006 **—Wilsoni.** Deep blue flowers, on large trusses.....Pkt. 15c

5008 **ADLUMIA Cirrhosa (Allegheny Vine).** 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant...Pkt. 10c

5009 **ADONIS Vernalis.** 18 in. May. Large star shaped yellow flowers. 1 oz., **15c**..Pkt. 10c

5010 **AGATHAEA Coelestis (Blue Daisy).** ⅛ oz., **25c**.....Pkt. 10c

5011 **AGROSTEMMA Coronaria Varieties Mixed.** June-Sept. 1 to 2 ft.....Pkt. 10c

5012 **—Flos Jovis.** 1 ft. Beautiful pink flowers. ½ oz. **15c**.....Pkt. 5c

AJUGA (Bugleweed.)—Reptans Atropurpurea. 6 in., May. A very useful dwarf plant, with brilliant blue flowers, fine rock and border plant. *Plants, doz.,* **$3.60;** 3 for **$1.00**

ALYSSUM (Madwort).

5013 **—Saxatile Compactum (Basket of Gold).** 1 ft. May-June. Greatly prized for its masses of golden yellow flowers. *Plants, doz.,* **$3.00;** 3 for **85c**.....Pkt. 10c

5015 **AMPELOPSIS Veitchii (Boston Ivy).** Small leaved, self-clinging, Virginia Creeper. ½ oz. **25c.** (For plants see climbing vines).....Pkt. 10c

5016 **ANCHUSA Italica, Dropmore Variety.** 5 ft. June-July. An improvement on the old variety, larger blue flowers. and plant of better habit. *Plants, doz.,* **$3.00;** 3 for **85c.** ⅛ oz., **30c**.....Pkt. 15c

—Opal. June-July. (New.) 3-4 ft. Large pale blue flowers. Fine color and lasting. *Plants, doz.,* **$3.00.** 3 for **85c.**

ANEMONE (Wind Flower).

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

5019 **—Coronaria (Poppy Anemone) Mixed Colors.** June. 10 in. ¼ oz. **30c**....Pkt. 10c

5020 **—St. Brigid's Strain.** May-June. Double and Single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. ⅛ oz., **30c**: Pkt. 15c

5021 **—Pulsatilla.** 10 in. Blooms in May. Flowers violet or purple. ⅛ oz., **50c**...Pkt. 10c

5022 **—Sylvestris (Snow Anemone).** 1½ ft. May to June. One of the most satisfactory for the border; flowers cup-shaped, pure white. ⅛ oz., **40c**....Pkt. 15c

5023 **ANTHEMIS Kelwayi. (Hardy Marguerite).** 2 ft. A most satisfactory plant, bearing all summer, daisy-like yellow blossoms. Planted as a border or in masses, is excellent for cutting. *Plants, doz.,* **$3.00;** 3 for **85c**.....Pkt. 10c

5026 **—Tinctoria.** Very useful yellow border plant. ⅛ oz., **25c**.....Pkt. 10c

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names

Flower Seeds and Plants

AQUILEGIA (Columbine).
Columbines are among the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful, dark green, divided foliage. Our Long-Spurred Mixed are selected from the very finest kinds, free of habit and of great value.

5027 —**Canadensis (Turk's Cap)** Handsome scarlet and orange flowers.
Plants, 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **25c**.....Pkt. 10c

5028 —**Chrysantha** 3 ft. Yellow, long spurred.
Plants, 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**.....Pkt. 10c

5029 —**Chrysantha Fl. Pl.** 3 ft. Double golden yellow flowers ⅛ oz., **40c**.....Pkt. 10c

5030 —**Chrysantha Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs.
Plants, 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz, **40c**.....Pkt. 10c

5031 —**Coerulea (Rocky Mountain Columbine).** 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white.
Plants, per 100, **$20.00**; *doz.*, **$3.60**; 3 for **$1.00.** ⅛ oz. **30c**.....Pkt. 10c

5032 —**Coerulea Hybrida, (Haylodgensis).** 2½ ft. Long spurred hybrids.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz. **40c**.....Pkt. 10c

5033 —**Coerulea Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz. **50c**.....Pkt. 15c

5036 —**Long Spurred Columbines. Mixed.** An improved strain of Columbines, bearing flowers of many rich and varied colors with broad petals and long spurs. Colors are distinct shades of white, salmon, lavender, yellow, mauve, pink, etc. Extra fine. *Plants, per* 100, **$20.00**; *doz.*, **$3.60**; 3 for **$1.00.** ⅛ oz., **40c**...Pkt. 15c

5037 —**Nivea Grandiflora.** 15 in. Large pure white.....Pkt. 10c

5039 —**Skinneri (Mexican Columbine).** Large scarlet and yellow flowers.....Pkt. 15c

5042 —**Vulgaris Alba Plena.** 2 ft. Double white flowers.....Pkt. 10c

5043 —**Single Mixed.** Many varieties, ¼ oz. **25c**.....Pkt. 10c

5044 —**Double Mixed.** ¼ oz. **25c**.....Pkt. 10c

5047 VAUGHAN'S SPECIAL **Vaughan's Special Mixture** includes all the above mentioned varieties and many new colors not found in any named collection. *Plants, per* 100, **$20.00**; *doz.*, **$3.60**; 3 for **$1.00.** ⅛ oz., **60c**.....Pkt. 25c

ARABIS (Rock-Cress).
Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings.

5048 —**Alpina Flore Pleno.** 6 in. Large masses of double pure white flowers.
Plants, doz., **$3.00**; 3 for **85c.** ⅛ oz **25c**.....Pkt 10c

5051 **ARISTOLOCHIA Sipho (Dutchman's Pipe).** 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers of various colors. Requires protection in winter. *Plants*, "see Climbing Vines." ¼ oz., **30c**.....Pkt. 10c

ARMERIA (Thrift, Sea Pink or Cliff Rose).
Grand plants for crevices of walls and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast June-July.

5052 —**Formosa.** 9 in. Pretty rose pink. Grand for borders ¼ oz., **20c**.....Pkt. 10c

—**Laucheana.** 6 in. Crimson flowers, deep green tufty foliage.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

5054 —**Maritima.** 3 in. Silvery pink flowers. ⅛ oz., **30c**.....Pkt. 15c

ARTEMISIA Abrotanum (Old Man.) *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

—**Lactiflora.** 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. *Plants, per* 100, **$20.00**; *doz.*, **$3.60**; 3 for **$1.00.**

5056 **ASCLEPIAS Tuberosa (Butterfly Weed).** 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers. *Plants, per* 100, **$20.00**; *doz.*, **$3.60**; 3 for **$1.00**.....Pkt. 10c

ASTER.
Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. To cut for vases church decoration, etc., they provide an inexhaustable supply.

5064 —**Large Flowering Mixed.** Various shades of blue. Fine. ¼ oz. **40c**.....Pkt. 25c

5066 —**Novae Angliae.** 3 ft. Sept.-Oct. Deep purplish blue.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

—**Mrs. J. F. Raynor.** (New.) 5 ft. Oct. Vivid crimson flowers, very erect and profuse bloomer. *Plants, per doz.*, **$4.00**; 3 for **$1.25.**

—**Novae Belgiae, Climax.** 4 to 5 ft. (New.) This in our opinion, is the best Michaelmas Daisy introduced in many years. Forms branching plants covered in fall with delightful lavender blue flowers from one to two inches in diameter.
Plants, per 100, **$20.00**; *doz.*, **$3.60**; 3 for **$1.00.**

—**St. Egwin.** 3½ ft. Aug. Medium size, fine clear rose-pink.
Plants, per 100, **$18.00**; *doz.* **$3.00**; 3 for **85c.**

—**Wells' White.** 3 ft. Large incurved flowers.
Plants, per 100, **$18.00**; *doz.* **$3.00**; 3 for **85c.**

5071 **BAPTISIA Australis (False Indigo).** 2 ft. Beautiful racemes of pea-shaped light blue flowers appearing in midsummer. ¼ oz. **40c**.....Pkt. 10c

BELLIS PERENNIS (Double Daisy). 6 to 8 in. April-June.
A charming old favorite, for edging beds, borders or rock work.

—**Mammoth White.** *Plants, per* 100, **$10.00**; *doz.*, **$1.50**; 3 for **50c.**
—**Mammoth Pink.** *Plants, per* 100, **$10.00**; *doz.* **$1.50**; 3 for **50c.**
—**Mammoth Mixed.** *Plants, per* 100, **$10.00**; *doz.* **$1.50**; 3 for **50c.**
} For seeds see annuals.

5084 **BOCCONIA Cordata (Plume Poppy).** 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under-surface, and flower plumes of a pretty cream color. *Plants, doz.*, **$3.60**; 3 for **$1.00.** ½ oz., **40c**.....Pkt. 10c

Order Seeds by numbers; Use Separate Order Sheet for Plants

ARTEMISIA LACTIFLORA

ASTER 'Climax'

BUDDLEYA (Butterfly Bush)

CAMPANULA (Canterbury Bell)

CHRYSANTHEMUM MAXIMUM

COREOPSIS LANCEOLATA

Vaughan's Perennial

5085 **BOLTONIA Asteroides (False Chamomile.)** 6 ft. White. Large daisy-like flowers, valuable for cutting. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. Pkt. 15c

5086 **—Latisquama.** Delicate pink. *Plants, per doz.*, **$3.60**; 3 for **$1.00**. Pkt. 10c

BUDDLEYA Variabilis Veitchiana (Butterfly Bush). 3 ft. Aug.-Oct. A new and beautiful shrub-like plant, producing pendulous branches terminating in long spikes of beautiful lilac-mauve flowers. Requires same protection as roses in winter. Planted with Aster "Climax" (above) the effect of the combination will delight those who try it. Large Plants, *per* 100, **$20.00**; *doz.* **$3.60**; 3 for **$1.00.**

CAMPANULA (Bell Flower).

Bell shaped flowers, well known; equally useful for flower border, shrubbery or wild garden.

5090 **—Carpatica (Harebell.)** 9 in. July. Pretty blue, dwarf *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. Pkt. 10c

5091 **——Alba.** 9 in. July. Pure white. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** Pkt. 10c

5092 **—Calycanthema (Cup and Saucer).** 2 ft. June to Aug. **Mixed Colors.** *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. Pkt. 10c

5093 **—Calycanthema White,** (5094) **Pink,** (5095) **Blue.** *Plants,* white, pink or blue, *per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**; ⅛ oz., **40c**. Pkt. 10c

5102 **—Latifolia (Macrantha).** 3 ft. Erect stems, large bells, violet blue. Pkt. 15c

—Medium (Canterbury Bell). 2 ft. 5104 **Single White.** ⅛ oz., **25c**. Pkt. 10c

5105 **——Single Blue.** ⅛ oz., **25c** 5106 **Single Pink.** ⅛ oz., **25c**. Pkt. 10c

——Blue, Pink or White. Separate colors. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**

5108 **—Mixed Colors** (Canterbury Bells). *Per* 100, **$15.00**; *doz.*. **$3.00**; 3 for **85c**; ⅛ oz., **25c**. Pkt. 10c

5108A **——Double White**. Pkt. 10c

5108B **——Double Blue**. Pkt. 10c

5108C **——Double Pink**. Pkt. 10c

5109 **——Double Mixed.** ⅛ oz. **30c.** Pkt. 10c

5111 **—Persicifolia (Peach Bells).** Blue. 2 ft. *Per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** Pkt. 15c

5112 **——Alba.** White. Pkt. 15c

5112A **——Moerheimi.** Large white semi-double flowers. Pkt. 25c

5113 **——Mixed.** Blue and White. Pkt. 10c

5114 **—Pyramidalis (Chimney Bellflower).** Blue. 5-6 ft. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **35c**. Pkt. 10c

5115 **—Pyramidalis Alba.** *Plants. per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **35c.** Pkt. 15c

5116 **—Pyramidalis Mixed**. Pkt. 10c

—Trachelium Coeruleum (Nettle-leaved Campanula). 2 ft. Blue. *Plants, per* 100, **$15,00**; *doz.*, **$3,00**; 3 for **85c.**

5117 **Vaughan's Special Mixture.** A grand assortment of all varieties. Fine for cut flowers. *Plants, per* 100, **$15,00**; *doz.*, **$3,00**; 3 for **85c** Pkt. 25c

CANDYTUFT See Iberis. **CANTERBURY BELL** See Campanula Medium

CARNATION (Hardy).

Old fashioned flowers, valuable for border decoration and cutting.

5120 **—Grenadin.** Fine scarlet. Perfectly hardy. *Plants, per* 100, **$15,00**; *doz.*, **$3.00**; 3 for **85c**. Pkt. 10c

5121 **—Grenadin White.** Splendid cut flowers. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. Pkt. 20c

5122 **—Vienna Dwarf Mixed.** ⅛ oz., **30c**. Pkt. 10c

5124 **—Double Mixed, Extra Choice.** ⅛ oz., **50c**. Pkt. 15c

5125 **CASSIA Marylandica (American Senna).** 2½ ft. A hardy plant with yellow pea-shaped blossoms. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. Pkt. 10c

CENTAUREA (Hardheads, Knapweed.)

July-August. Good plants for the flower border or wild garden, with thistle-like flowers.

5132 **—Montana Alba.** 2 ft. White, very showy. Pkt. 10c

5133 **—Montana Blue.** 2 ft. Beautiful blue hardy Cornflower. ⅛ oz., **25c.** Pkt. 10c

5137 **CERASTIUM Tomentosum (Snow in Summer).** 4 in. Silvery white foliage, covered with snow white flowers in early summer. ⅛ oz., **45c**. Pkt. 15c

5138 **CHEIRANTHUS Allioni.** 1 ft. Fine rock or border plant with orange flowers. Pkt. 10c

CHELONE Barbatus Torreyi. 3 ft. July, Aug. Long coral red spikes like a Pentstemon. *Plants, per doz.*, **$3.00**; 3 for **85c,**

5140 **—Hybrida Mixed.** ⅛ oz., **25c**. Pkt. 10c

5141 **—Lyoni.** 2 ft. Freely covered with rosy purple flowers. Pkt. 15c

5142 **CHIVES.** Used for seasoning. *Plants, per doz.* clumps, **$2.00**; 3 for **60c**. Pkt. 10c

5143 **CHRYSANTHEMUM Maximum (Moonpenny Daisy).** 2-3 ft. Hardy white daisy, excellent for cutting. ¼ oz. **20c**. Pkt. 10c

5144 **—King Edward VII.** 2½ ft. Very large white flowers on stout stems. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**, 3 for **85c**. Pkt. 10c

5145 **—Market Favorite.** Produces an enormous number of well formed, pure white flowers, evenly distributed and flowering at one time. Pkt. 15c

CIMICIFUGA (Snake Root). Aug.-Oct.

Valuable for late flowering, beginning in September and continuing throughout October.

5149 **—Simplex,** Symetrical, tall white spikes. Pkt 10c

CLEMATIS (Herbaceous). Summer flowering.

5152 **—Paniculata** (Climbing.) 15 ft. Fall-flowering vine with white flowers. For plants see Climbing Vines. ¼ oz., **30c**. Pkt. 10c

5153 **—Jackmanii, Large Flowering Mixed.** Blue, white and purple. ¼ oz., **75c.** Pkt. 15c

COREOPSIS (Tickseed).

June to Oct. Hardy plants that bloom throughout the summer.

5154 **—Lanceolata.** 2 ft. Large orange-yellow flowers, much prized for cutting, *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**; ¼ oz. **20c**. Pkt. **10c**

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names

Flower Seeds and Plants

5156 **CRUCIANELLA Stylosa.** 6 in. Dwarf rampant carpeting plant. Bright crimson. ⅛ oz., **15c**.....Pkt. 10c

5157 **DAISY, (Shasta) Alaska** 2 ft. Wonderful show of large white flowers. Fine for cutting. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**; ⅛ oz. **35c**.....Pkt. 10c

DELPHINIUM (Hardy Larkspur)

There are many species in cultivation but the most important are the tall hybrids of which we hold a large and up-to-date assortment including the very newest.

(Species). Flowering from June to August.

5161 —**Chinese (Blue).** 2 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. *Plants, per* 100, **$15.00**, *doz.*, **$3.00**; 3 for **85c.** ¼ oz.. **20c**.....Pkt. 10c

5162 ——**Album.** 2 ft. Pure white. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**, ⅛ oz. **20c.** .....Pkt. 10c

5162a —**Chinese Mixed**.....⅛ oz. **20c.** Pkt. 10c

5163 —**Elatum Hybridum, Single Mixed.** 3 ft. ¼ oz. **35c**.....Pkt. 10c

5164 ——**Double Mixed.** 3 ft. ¼ oz. **50c**.....Pkt. 15c

5165 —**Formosum.** 3 ft. Deep blue, white eye, open spike. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**; ¼ oz. **45c**.....Pkt. 10c

(Named Hybrids). Flowering June to August. (See Gold Medal Hybrids below).

5171 —**Belladonna (Light Blue).** 2 ft. Loose spikes of blue. *Plants, per doz.*, **$3.60**; 3 for **$1.00**.....Pkt. 20c

—**Belladonna Semi-plena.** (New.) 2 ft. Clear bright blue, dwarf branching habit, splendid for cutting. *Plants, per doz.*, **$6.00**; 3 for **$1.75.**

5173 —**Indigo.** (New.) 4 ft. Pure indigo blue, comes true from seed.....Pkt. 25c

—**Lamartine.** (New.) 4 ft. Single dark blue flowers with white center; free branching habit. *Plants, per doz.*, **$3.60**; 3 for **$1.00.**

5176 **Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to indigo-blue. *Plants, per* 100, **$18.00**; *doz.*, **$3.60**; 3 for **$1.00.** ⅛ oz. **50c**.....Pkt. 25c

DIANTHUS (Hardy Garden Pinks).

Charming summer flowering border plants, more or less fragrant; should be planted in full sun or open situation, adding lime or old mortar rubble to the soil at time of planting.

—**Abbotsford.** 15 in. Attractive shade of pink. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

—**Deltoides.** 9 in. Masses of small deep rose flowers, neat creeping habit. An excellent rock or edging plant. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

5180 —**Plumarius Cyclops (Clove Pink).** An exquisite mixture of colors. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **30c**.....Pkt. 10c

5181 ——**Diadematus.** 12 in. White, pink and crimson, flowers in great masses. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5182 ——**Perfection.** 15 in. White, crimson center.....Pkt. 15c

5185 ——**Semperflorens.** 15 in. Single and Double, flowers all spring and summer. Mixed colors. ⅛ oz., **45c**.....Pkt. 15c

——**Lilac Queen.** A very charming pale rose lavender. *Plants, doz.*, **$3.00**; 3 for 85c.

5186 **Single Mixed.** Delicately fringed flowers. ¼ oz., **25c**.....Pkt. 10c

5187 **Double Mixed.** Fine for cutting. ⅛ oz. **40c**.....Pkt. 10c

5188 **Vaughan's Special Mixture.** A grand selection of clove pinks of the above Plumarius type and others. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **50c**.....Pkt. 20c

5189 —**Latifolius Atro-coccineus Plenus.** 15 in. Double fiery crimson. *Plants, per* 100, **$15.00**; *doz.* **$3.00**; 3 for **85c**.....Pkt. 10c

DIANTHUS BARBATUS (Sweet William). 18 in. to 24 in.

The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size or flower are far superior, being grown from select seed. Sweet Williams looks well in solid beds of masses and requires a good, rich well manured soil to grow them to perfection, excellent border plants and fine for cut flowers.

5192 **Single Varieties: Carmine Beauty.** A charming and distinct color. ⅛ oz., **50c**..Pkt. 15c

5193 —**Copper Red.** A new and rich color. Attractive for cut flowers.....Pkt. 15c

5194 —**Diadematus.** One of the prettiest, flowers rose, spotted and sprinkled with white. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5195 —**Johnson's Giants.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **25c.** Pkt. 15c

5196 —**Nigrescens.** Flowers almost black. *Plants, per doz.*, **$3.00**; 3 for **85c.** ¼ oz., **25c.**Pkt. 10c

5197 —**Salmon.** A very pleasing shade. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **40c**.....Pkt. 10c

—**Sutton's Scarlet (Scarlet Beauty).** A vivid scarlet color; very striking. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

5199 —**Albus.** Single white. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5200 —**Atro-sanguineus.** Single blood-red. ¼ oz., **25c**.....Pkt. 10c

5201 —**Roseus (Pink Beauty).** Single pink. ¼ oz., **25c**.....Pkt. 10c

5202 —**Single Mixed.** ¼ oz., **25c**.....Pkt. 10c

5203 —**Single Giant-Flowered Mixed.** *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ¼ oz., **35c**.....Pkt. 10c

Double Varieties:

5204 —**White.** ⅛ oz., **30c**.....Pkt. 10c | 5205 —**Rose**.....Pkt. 10c

5206 —**Blood Red**.....Pkt. 10c | 5207 —**Mixed.** ¼ oz. **40c**.....Pkt. 10c

5208 —**Double Giant-Flowered Mixed.** ¼ oz., **60c**.....Pkt. 15c

5209 **Vaughan's Special Mixture, Sweet William.** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. If you plant but one perennial, plant this. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **35c**.....Pkt. 15c

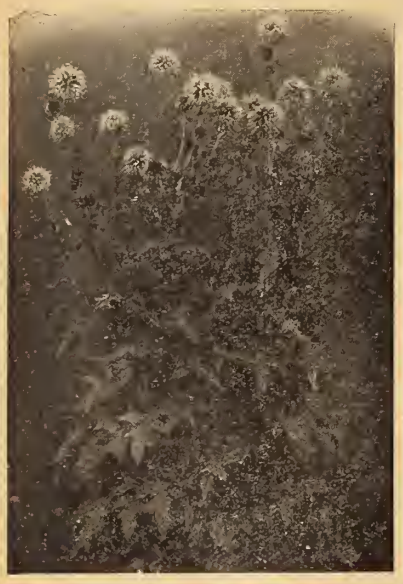
When ordering—If SEEDS, use numbers; if PLANTS, give names, using separate order sheet

DELPHINIUM—Gold Medal Hybrids

DIANTHUS (Hardy Pink)

DIANTHUS (Sweet William)

DIGITALIS (Foxglove)



ECHINOPS (Globe Thistle)

FUNKIA (Day Lily)

Vaughan's Perennial

DICTAMNUS (Gas Plant).

5210 —**Caucasicus.** 3 ft. Flowers pink, a strong growing variety. *Plants, per doz.*, **$3.60**; 3 for **$1.00.** Pkt. 10c.

5211 —**Fraxinella.** 3 ft. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting. *Plants, per doz.*, **$3.60**; 3 for **$1.00.** Pkt. 10c.

5212 ——**Albus.** 3 ft. Spikes of attractive pure white sweet scented flowers. *Plants, per doz.*, **$3.60**; 3 for **$1.00.** Pkt. 10c.

DIGITALIS (Foxglove).

3 to 5 ft. Stately old garden favorites for garden, shrubbery borders, and naturalizing in suitable places.

5213 —**Gloxiniaeflora, White.** Flowers shaped and spotted like a gloxinia.....Pkt. 10c

5214 —**Pink.** 5215 **Purple.** Each color, ¼ oz., **35c**.....Pkt. 10c

Plants, any of above, *per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

5217 ——**Mixed Colors.** *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ¼ oz., **30c.**.Pkt. 10c

5218 —**Grandiflora.** Bright yellow. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**.Pkt. 10c

—**Lanata.** 3 ft. Creamy white. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

5220 —**Maculata Iveryana.** Splendid spotted strain, mixed colors. ¼ oz., **25c.**...Pkt. 10c

5221 —**Monstrosa Mixed.** Long spikes surmounted by one enormous flower.....Pkt. 10c

5222 —**Purpurea Mixed.** Many colors. ¼ oz., **25c**.....Pkt. 10c

5223 VAUGHAN'S SPECIAL **Vaughan's Special Mixture of Digitalis.** A grand mixture of the above, and many other colors, grown especially for this mixture. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c** ⅛oz., **25c.**.Pkt. 15c

ECHINACEA (Coneflower.) 4 ft.

5225 —**Hybrida.** Flowers of various shapes, produced in a wide range of colors....Pkt. 15c

5226 —**Purpurea.** A very handsome border plant bearing large heads of rosy purple flowers, and dark central disc. (Synonymous with Rudbeckia Purpurea). *Plants, per* 100, **$15.00**, *doz.*, **$3.00**, 3 for **85c**.....Pkt. 15c

ECHINOPS (Globe Thistle.)

Handsome, strong-growing plants with thistle like leaves and globe shaped bristley flowers.

5227 —**Ritro.** 3 ft. Fine blue flower heads. *Plants, per doz.*, **$3.60**; 3 for **$1.00.**.....Pkt. 10c

5228 —**Sphaerocephalus.** 4 ft. Grayish white flowers on stout stems. *Plants, per doz.*, **$3.60**, 3 for **$1.00**.....Pkt. 10c

ERIANTHUS.—See Grasses.

ERIGERON. Valuable summer flowering border plants with elegant aster-like flowers.

—**Amos Perry.** Large pale blue flowers 2 in. in diameter; rare and distinct. *Plants,per doz.*, **$4.00**, 3 for **$1.25.**

ERYNGIUM (Sea Holly). July-Sept. Handsome ornamental plants for flower and shrubbery borders

5232 —**Alpinum.** 3 ft. Shining green leaves, large light blue flowers. ¼oz., **50c**...Pkt. 10c

5233 —**Amethystinum.** 3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst blue thistle-like flowers. *Plants, per doz.*, **$3.00**, 3 for **85c**, ¼ oz., **75c**.....Pkt. 10c

5234 —**Planum.** 3 ft. Small light blue globular flowers; graceful decorative plant. *Plants, per doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

EULALIA.—See Grasses.

EUPATORIUM (Thorough Wort)

5236 —**Ageratoides.** 2 ft. Pure white ageratum-like flowers. *Plants, per* 100, **$15.00**, *doz.*, **$3.00**, 3 for **85c**, ⅛ oz., **20c**.....Pkt. 10c

—**Coelestinum (Mill Flower).** 2 ft. Sept. Heliotrope flowers, very useful for borders. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

5238 —**Fraseri.** 18 in. Pure white.....Pkt. 10c

FERNS.

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquileglas. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage.

Adiantum Pedatum (Maidenheir Fern). 1 ft. The best dwarf fern.

Asplenium Angustifolium (Spleenwort). 3 ft. Handsome stately fern.

Asplenium Felix-Foemina (Lady Fern). 2-3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

Aspidium Cristatum. 2 ft. Grows well in swampy situation.

Aspidium Goldianum. 4 ft. One of the finest Aspidiums.

Aspidium Thelypteris. 2 ft. Very variable, fronds long and narrow.

Onoclea Struthiopteris (Ostrich Fern). 3-4 ft. One of the most stately and best for cultivation; handsome dark green fronds.

Osmunda Claytoniana. 2 ft. A good fern for the shady corner, 7 to 12 inches wide, broader than long.

Plants, any of the above, *per* 100, **$15.00**, *doz.*, **$3.00**, 3 for **85c.** (Ready March 15)

FORGET-ME-NOT.—See Myosotis.

FUNKIA (Day Lily).

These handsome, hardy, herbaceous plants develop their ornamental foliage early in **spring**, and in **summer** and **autumn** throw up a profusion of Lily-like flower spikes. All are grand plants for the flower border or permanent edgings, especially on shady borders. They develop their foliage to greater size, if grown in partial shade.

—**Lanceolata.** 12 in. Sept. Pale lilac flowers. *Plants, per* 100, **$15.00**, *doz.*, **$3,00**, 3 for **85c.**

—**Subcordata Grandiflora Alba (Corfu Lily).** 18 in. Large spikes of snow white fragrant flowers. *Plants, per doz.*, **$3.60**, 3 for **$1.00.**

—**Thomas Hogg.** 12 in. Large green foliage margined white. *Plants, per doz.*, **$3.60**, 3 for **$1.00.**

GAILLARDIA (Blanket Flower).

June to October, 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil..

5240 —**Grandiflora Mixed.** *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ¼ oz., **30c.**Pkt. 10c

5242 —**Semiplena.** Double row of petals, yellow with red center.....Pkt. 10c

5243 ——**Compacta.** Varied colored compact flowers well above foliage. ¼ oz., **25c** Pkt. 10c

5245 ——**Maxima Kermesina Splendens.** Center crimson, canary yellow border...Pkt. 10c

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names

Flower Seeds and Plants

GAILLARDIA—Continued.

5246 ——**Sulphurea Oculata.** Pale yellow, maroon eye. .....Pkt. 10c
5247 ——**New Hybrids.** Very large flowers, in a great variety of colors. ¼ oz., **60c.**Pkt. 25c

GENTIANA.
Beautiful hardy border, and rock plants, with shades of blue surpassing those found in any other family of plants.

5248 —**Acaulis.** (4 in.) Large bell shaped, deep blue flowers; spring blooming....Pkt. 10c
5249 —**Lutea (Yellow Gentian).** 4 ft. July. Whorls of giant yellow flowers.....Pkt. 10c

GALEGA Hartlandi (Goat's Rue). 3½ ft. June-Aug. Pea-shaped, sweet scented; pale lavender colored blossoms. Valuable cut flowers.
Plants, per **100, $15.00;** *doz.,* **$3.00;** 3 for **85c.**

GOLDEN ROD—See Solidago.

GRASSES (Ornamental). For foliage only. Very decorative.
Ornamental Grasses can be used with telling effects in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn.

5254 —**Arundo Donax (Giant Reed).** 10-15 ft. Noble plant like a gigantic maize..Pkt. 10c
5258 ——**Variegata (Japan Rush).** 4 ft. The best of the variegated kinds.....Pkt. 10c
—**Phalaris Arundinacea Variegata (Gardener's Garters).** 2 ft. Variegated ribbon-grass, fine for cutting. *Plants, per* **100, $15.00;** *doz.,* **$3.00;** 3 for **85c.**

GYPSOPHILA.
Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting.

5262 —**Paniculata (Baby's Breath).** 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect.
Plants, per 100, **$15.00;** *doz.,* **$3.00;** 3 for **85c.** ¼ oz., **25c** .....Pkt. 10c
5261 —**Paniculata Flore Pleno.** Minute double white flowers, new, highly decorative.Pkt. 25c

HELENIUM (Sneezewort).
Delightful perennials allied to the **Helianthus** (Sunflower). Splendid and lasting as cut flowers.

5264 —**Autumnale Superbum.** 5 ft. Large clear light yellow, flowers in Sept.
Plants, per doz., **$3.00,** 3 for **85c;** ⅛ oz., **40c**.....Pkt. 10c
5267 —**Bigelowii.** 2 ft. Large rich yellow flowers. ⅛ oz., **50c**.....Pkt. 10c
5268——**Hoopesii.** 2 ft. May-July. Rich orange yellow.
Plants, per doz., **$3.00;** 3 for **85c**.....Pkt. 10c

HELIANTHUS (Hardy Sunflower).
Producing a grand effect planted in garden beds or borders, or in the woodlands or wild garden.

—**Multiflorus Plenus.** 6-8 ft. Double yellow flowers, useful for cutting July-Oct. Resemble large yellow Dahlias. *Plants, per* 100, **$15.00;** *doz.,* **$3.00;** 3 for **85c.**
—**Rigidus, Miss Mellish.** 7 ft. Large single yellow, tall handsome border plant.
Plants, per 100, **$15.00;** *doz.,* **$3.00;** 3 for **85c.**

HELIOPSIS Gratissima 3 ft. July-Oct. Large orange flowers with several rows of florets. Invaluable for cutting. *Plants, per* 100, **$15.00;** *doz.,* **$3.00;** 3 for **85c.**
5273 —**Pitcheriana.** 5 ft. Aug.-Oct. Yellow semi-double flowers. ¼-oz. **25c**.....Pk. 10c

HEMEROCALLIS (Yellow Day Lily).
The Day Lillies are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere. The flowers are in spikes of from six to a dozen blooms, opening in succession, and are very useful cut flowers. Good for borders, shrubberies, wild garden or naturalizing.

—**Flava.** Pleasing pale yellow *Plants, per* **100. $12.00;** *doz.,* **$3.00;** 3 for **85c.**
—**Fulva.** Showy coppery red. *Plants, per* **100, $12.00;** *doz.,* **$3.00;** 3 for **85c.**
—**Kwanso fl. pl.** Beautiful double orange flowers.
Plants, per 100, **$12.00;** *doz.,* **$3.00;** 3 for **85c.**
—**Thunbergi.** 4 ft. Beautiful primrose flowers, on tall stems.
Plants, per **100, $12.00;** *doz.,* **$3.00;** 3 for **85c.**

HESPERIS Matronalis (Sweet Rocket). 2 ft.
Deliciously sweet scented flowers for garden or cutting. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

5276 —**Purpurea.** Purple. ½ oz., **25c;** oz., **40c;** lb., **$4.00**.....Pkt. 10c
5277 —**Alba.** White. ½ oz., **20c;** oz., **35c**.....Pkt. 10c

HEUCHERA (Alum Root). 2 ft. July-Aug.

—**Brizoides Gracillima.** Graceful stems of rosy crimson flowers; shaded pink.
Plants, per **100, $20.00;** *doz.,* **$3.60;** 3 for **$1.00.**
—**Nancy Perry.** Beautiful sprays of bright coral pink; very fine.
Plants, per doz., **$3.60;** 3 for **$1.00.**
5279 —**Sanguinea.** Long stems of large crimson-scarlet flowers.....Pkt. 25c

HIBISCUS (Rose Mallows). 3 to 5 ft. July to Sept.
Noble shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.

5281 —**Crimson Eye.** Creamy white flowers, large crimson center. ¼-oz., **25c**.....Pkt. 10c
5282 —**Golden Bowl.** Deep cream, with a velvety maroon center. ¼-oz. **25c**.....Pkt. 10c
5283 —**Moscheutos (Rose Mallow).** Very showy pink flowers. ¼-oz., **25c**.....Pkt, 10c
5284 —**Mixed Mallow Marvels.** Grand Assortment.
Plants, per **100, $20.00;** *doz.,* **$3.60;** 3 for **$1.00.** ¼ oz., **25c**.....Pkt. 10c
—**Mallow Marvels.** Enormous bright red flowers.
Plants, per **100, $25.00;** *doz.,* **$4.00;** 3 for **$1.25.**
—**Mallow Marvels.** Pink or white; separate colors.
Plants per 100, **$20.00;** *doz.,* **$3.60;** 3 for **$1.00.**

HOLLYHOCK. 6-8 ft. Aug.-Sept.
One of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy, but much can be done to prevent it and reduce the damage by spraying the plants with Bordeaux Mixture.

Double Varieties—

5286 White 5288 Rose 5290 Salmon
5287 Pink 5289 Black 5291 Yellow
} Each Color, ¼-oz., 40c; ⅛-oz., 25c..... } Pkt. 10c
5292 Crimson 5293 Blood Red.
5297 **Newport Pink.** The finest pure pink, exquisite shade.....Pkt. 10c
Double Red, Yellow, Maroon, Pink, or White.
Plants, per 100, **$15.00;** *doz.,* **$3.00;** 3 for **85c.**

When ordering—If SEEDS, use numbers; if PLANTS, give names, using separate order sheet

GAILLARDIA GRANDIFLORA

HEMEROCALLIS

MALLOW MARVELS (Hibiscus)

VAUGHAN'S HARDY IRISES

Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

The best months for transplanting Iris are April, September and October, but they can also be moved in June and July, soon after they have flowered. **Please order early** for Spring planting; late orders will be filled after blooming time.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Amas (Macrantha). "S" Rich blue; "F" Violet; very large and handsome. **Doz., $3.00; 3 for 75c.**

Alcazar. "S" Violet with bronze sheen; "F" rich crimson with lighter veins A very rich and striking flower. **3 for $1.50; each, 60c.**

Archbishop (Archeveque). (New.) Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. **Doz., $3.60; 3 for $1.00.**

Black Prince (Kochi Atro-purpurea). "S" Purple lilac; "F" velvety black. A very striking dark flower. **Doz., $2.50; 3 for 65c.**

Black Prince. (Barr). "S" Soft purple lilac; "F" rich velvety black; large flower, free blooming. **3 for $2.00; each, 75c.**

Candelabre. "S" Mauve and purple; "F" Violet, with white and black veins. **Doz., $3.00; 3 for 85c.**

Caprice. "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. **Per 100, $15.00; doz., $3.00; 3 for 85c.**

Celeste. Fine satiny blue. One of the most beautiful of hardy Irises. **Per 100, $12.00; doz., $2.50; 3 for 65c.**

Cherubin. "S" Pale lilac; "F". Pale lilac, veined purple. **Doz., $3.50; 3 for $1.00.**

Clio. White "S" clear blue "F". **Doz., $3.00; 3 for 85c.**

Dalmarius. A cross between Dalmatica and Darius. "S" pale grey-blue; "F" darker, shaded violet-brown; very distinct. **Doz., $2.50; 3 for 65c.**

Darius. "S" Primrose yellow; "F" Lilac and primrose. **Doz., $2.00; 3 for 55c.**

Dorothea. An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veinings. Very fine. **Doz., $2.00; 3 for 55c.**

Dr. Bernice. "S" Coppery bronze; "F" Velvety crimson. Very handsome. **Doz., $2.00; 3 for 55c.**

Edward Michell. (New). Tall spikes of flowers splendidly shaped. "S" Broad; "F" Long and wide. The whole flower is deep wine red. **Each, $1.25; 3 for $3.00.**

Eldorado. "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. **Doz., $3.00; 3 for 85c.**

Fairy. Beautiful white with blue border and veinings. **Doz., $3.00; 3 for 85c.**

Florentina Alba. Large pure white fragrant flowers. **Doz., $2.00; 3 for 55c.**

Frorin. "S" and "F" pale canary yellow, merging to cream at base. **Doz., $2.00; 3 for 55c.**

Gajus. "S" Light clear yellow; "F" Crimson, reticulated white and yellow. **Doz. $2.00; 3 for 55c.**

Gertrude. Deep violet blue; very fragrant. **Doz., $2.00; 3 for 55c.**

Gracchus. "F" Crimson, reticulated white, fine, early. **Doz., $2.00; 3 for 55c.**

Her Majesty. Lovely rose-pink; a variety of great distinction and beauty. **Doz., $3.00; 3 for 85c.**

Isoline. "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. **Per 100, $25.00; doz., $3.60; 3 for $1.00.**

Jeanne d'Arc. Flowers large, petals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. **Per 100, $20.00; doz., $3.00; 3 for 85.**

Kharput (Italia). "S" Violet; "F" Violet purple, large handsome bloom. **Doz., $2.40; 3 for 65c.**

King of Iris. "S" Lemon yellow; "F" Deep brown and yellow. One of the most beautiful of all Irises. **Doz., $3.60; 3 for $1.00.**

L'Avenir. A beautiful shade of satin blue. **Per 100, $15.00; doz., $2.40; 3 for 65c.**

Lohengrin. Large handsome silvery-mauve flowers. **Per 100, $15.00; doz., $2.40; 3 for 65c.**

Lord Seymour. Very much like Mme. Chereau, but "S" are a more delicate pale lavender. **Per 100, $15.00; doz., $2.40; 3 for 65c.**

Loreley. "S" Light yellow; "F" Ultramarine blue, bordered cream. **Per 100, $15.00; doz. $2.40; 3 for 65c.**

Loute. "S" Light blue and heliotrope; "F" reddish purple and bronze. Flower of majestic proportions and striking color. **Doz., $6.00; 3 for $1.60; each, 60c.**

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. **Per 100, $10.00; doz., $2.00; 3 for 55c.**

Mme. Pacquette. Bright rosy claret, early and beautiful. Sweet scented. **Doz., $2.40; 3 for 65c.**

Maori King. "S" Golden yellow; "F" Velvety maroon margined gold. **Doz., $2.40; 3 for 65c.**

Monsignor. Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white pencilings at throat. **Per 100, $30.00; doz., $5.00; 3 for $1.50.**

Mrs. H. Darwin. "S" Clear waxy white; "F" White, violet veins. **Per 100, $8.00; doz., $2.00; 3 for 55c.**

Mrs. Newbronner. A beautiful deep self-yellow. Very fine. **Doz., $2.40; 3 for 65c.**

Nelly. "S" Blue; "F" clear white with blue veining and blotches. **Doz., $2.40; 3 for 65c.**

Oriflamme. "S" light blue, "F" violet purple; extra fine large flower. **Doz., $6.00; 3 for $1.60; each 60c.**

Pallida Dalmatica. One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. **Per 100, $20.00; doz., $3.00; 3 for 85c.**

Pallida Mandraliscae. Rich lavender-purple, large and handsome. **Per 100, $10.00; doz., $2.00; 3 for 55c.**

Parisiana. Beautiful deep purple, dwarf habit. **Doz., $6.00; 3 for $1.60; each, 60c.**

Peacock's Eye. "S" Olive yellow; "F" Brownish, shading to a clear yellow. **Doz., $3.60; 3 for $1.00.**

Princess Victoria Louise. (New.) "S" Immense sulphur yellow; "F" Plum color, shaded primrose. A very uncommon and pleasing shade. **Doz., $2.40; 3 for 65c.**

Pres. Thiers. "S" Lavender blue; "F" Deeper blue, white pencilings. **Doz., $2.40; 3 for 65c.**

Prosper Laugier. Deep velvety crimson, with deeply veined throat. "F" very broad. Highly recommended. **Doz., $2.40; 3 for 65c.**

Queen Alexandra. "S" and "F" Bronzy-mauve. Very fine free-blooming variety. **Doz., $3.00; 3 for 85c.**

Queen Emma. "S" and "F" clear waxy-white. The best of this color in our entire collection. **Doz., $3.60; 3 for $1.00.**

Queen of May. "S" Lilac pink; "F" Lilac, blended with white; distinct. **Per 100, $12.00; doz., $2.00; 3 for 55c.**

Rhein Nixe. "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. **Per 100, $15.00; doz., $2.40; 3 for 65c.**

Stormcloud (Nuee d'Orage). (New.) Very large flowers of a greyish slateblue. with bronze shading. "F" Purplish blue, very fine. **Doz., $5.00; 3 for $1.50; each, 65c.**

Tamerlane. "S" Pale violet; "F" deep purple. Magnificent, tall, bold. **Doz., $5.00; 3 for $1.50; each, 65c.**

Trautlieb. "S" and "F" lovely uniform rose; very striking. **Per 100, $15.00; doz., $2.40; 3 for 65c.**

Twilight (Crepuscule). "S" and "F" delicate violet-purple, quite devoid of markings. Immense flowers on long stems. Early. Highly recommended. **Doz., $3.60; 3 for $1.00.**

VAUGHAN'S SPECIAL MIXTURE. **Doz., $1.25** (postpaid); (by express) **per 100, $7.00; per 1000, $50.00.** (Exp.) (25 at 100 rate, 250 at 1000 rate.)

GOOD MIXTURE. For large plantings and naturalizing, splendid value; per 100, **$5.00**; per 1000, **$35.00** (exp.)

Peace Collection

MME. PACQUETTE, L'AVENIR
MRS. DARWIN
Red, White and Blue

All Prepaid

1 Collection, **65c** 3 Collections, **$1.50** 6 Collections, **$2.75**

"Bargain" Collections (Our Selection)

Two each, 3 varieties (6 plants) **$0.65**
Six each, 3 varieties (18 plants) **1.50**
Twelve each, 3 varieties (36 plants).. **2.75**
ALL PREPAID

Prices of Single Plants are given on page 92. **Buy three of a kind—you get more for less.**

Perennial Flower Seeds and Plants

HOLLYHOCK—Continued.

5299 **Allegheny Mixed.** Semi-double and single.
Plants per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. ¼ oz., **30c**.....Pkt. 10c

5300 **Vaughan's Prize Mixture.** Finest shades in perfect flowers. ¼ oz., **40c**.....Pkt. 10c

VAUGHAN'S SPECIAL

Single Varieties—
5301 **Red.** 5302 **Pink.** 5303 **Black.** 5304 **Flesh**....*Each*, Pkt. 10c
5305 **Rose.** 5306 **White** 5307 **Salmon**.....*Each*, Pkt. 10c

5308 **—Mixed.** ¼ oz. **25c**. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5309 **HYACINTHUS Candicans.** White Yucca-like flowers. Very decorative.
½ oz., **20c**. (See also "Bulbs").....Pkt. 10c

HYPERICUM Moserianum (St. John's Wort). 3 ft. July-September.
A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups, the branches being literally laden down with them. A most desirable plant for sunny situations.
Plants, per 100, **$20.00**; *doz.*, **$3.60**; 5 for **$1.00**.

VARIOUS IRISES

INTERREGNA. Resulting from a cross between the Pumila and German Iris, this type has retained the good qualities of both and yet is entirely distinct. It has the strength and vitality of the Pumila as well as the large flower and beautiful colors of the German type. Blooming profusely after the former has faded but earlier than the latter, the Interregna type fills the gap and supplies a perfection of bloom throughout a considerable period, when flowers are greatly prized. The height is intermediate and its freshness of foliage is kept until autumn.

—Halfdan. Rich, creamy yellow, very fine keeper. *Plants, per doz.*, **$2.00**; 3 for **55c**.

—Walhalla. Petals rosy lavender above, delicate claret below.
Plants, per doz., **$2.00**; 3 for **55c**

LONGIPETELA Superba. Flowers soft, porcelain-blue, with long pale blue falls, having a golden blotch at the base. Fine for massing.
Plants, per doz., **$2.40**; 3 for **65c**.

PUMILA Hybrida. Florida. Dwarf variety of German Iris, growing about 8 inches high, very free blooming. These bloom about two weeks before the German Iris. Color delicate shade of yellow. *Plants, per doz.*, **$2.00**; 3 for **55c**.

—Cyanea. Rich royal purple with black shading. *Plants, per doz.*, **$2.00**; 3 for **55c**.

—Schneekuppe. Large showy flowers of ivory white. *Plants, per doz.*, **$3.60**; 3 for **$1.00**.

SIBERICA. Orientalis. (Yale Blue). A slender, graceful, tall-growing Iris, with flowers quite similar to those of the German Iris, but smaller and much more numerous. The plants form large, strong, compact clumps, and bloom so freely that the deep blue flowers give almost a solid color effect. *Per doz.*, **$3.00**; 3 for **85c**.

—Snow Queen. Snow-white flowers borne on strong erect stems. *Per doz.*, **$3.00**; 3 for **85c**.

JAPAN IRIS (Iris Kaempferi)
A splendid hardy plant of easy growth; delights in constantly cool, moist soil. In its native home it flourishes in swamps succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris which commences blooming about the middleof June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter, the various shades of color are exquisite.

—Choice Mixed. Including Rose, Deep Red, Blue, White, etc.
Plants, per 100, **$20.00**; *doz.*, **$3.00**; 3 for **85c**.

5310 **—Single and Double.** Many kinds mixed. Seed is of slow germination.
¼ oz., **25c**; oz., **75c**.....Pkt. 10c

IBERIS (Perennial Candytuft). 6-10 in.
Dwarf evergreen plants, covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

5312 **—Gibraltarica.** Pinkish white, bushy habit.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c** ⅛ oz., **40c**.....Pkt. 10c

5313 **—Sempervirens.** Flowers form a sheet of whiteness.
Plants, per doz., **$3.00**; 3 for **85c**.....Pkt. 15c

5314 **INCARVILLEA Delavayi (Hardy Gloxinia.)** 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. Pkt. 10c

5315 **—Grandiflora.** 1 ft. Dwarf crimson flowers with white and yellow throat....Pkt. 10c

5316 **ISATIS Glauca.** Yellow.....Pkt. 10c

LATHYRUS Latifolius. (Hardy Pea.)
Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting.

5318 **—Albus.** 6 ft. Pure white flowers. Oz., **80c**.....Pkt. 10c
5319 **—Pink Beauty.** Pale pink variety. Oz., **80c**.....Pkt. 10c
5320 **—Rubra.** Bright rosy crimson. Oz., **80c**.....Pkt. 10c
5322 **—Mixed.** The above colors. oz., **60c**.....Pkt. 10c

LAVANDULA Vera (True Lavender). A much prized, highly perfumed border plant. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5322a **LIATRIS—Spicata (Devil's Bit)** Dense spikes of rosy purple.
Plants. per doz., **$3.00**; 3 for **85c**. ¼ oz. **25c**.....Pkt. 10c

5322b **—Squarriosa.** Spreading.....Pkt. 10c

LINARIA (Toad Flax).
Showy free flowering plants, of a trailing habit. Good for borders, window boxes, or rockeries.

5323 **—Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange, flowers throughout summer; trailing habit. ⅛ oz., **40c**.....Pkt. 10c

LINUM (Flax)

5326 **—Perenne.** 2 ft. Pearly blue flowers. A graceful hardy perennial.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5327 **——Album.** Milk white flowers, very decorative.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. ¼-oz., **20c**.....Pkt. 10c

5328 **——Mixed.** ¼ oz., **20c**.....Pkt. 10c

5329 **LOBELIA Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Brilliant fiery scarlet flowers, prefers moist position. *Plants, per doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5331 **LUNARIA Biennis (Honesty or St. Peter's Penny.)** Flowers white, followed by silvery seed pods, prized for winter decoration. Oz., **40c**.....Pkt. 10c

5332 **—Alba** Pure white. ½-oz., **25c**.....Pkt. 10c

Annual Flower Seeds are Offered in Separate List, Pages 67 to 94

VAUGHAN'S DOUBLE HOLLYHOCK

HYPERICUM MOSERIANUM

JAPANESE IRIS

LUPINUS POLYPHYLLUS

MERTENSIA VIRGINICA

PAPAVER NUDICAULE

Perennial Flower Seeds and Plants

LUPINUS (Lupin). *For prices of SINGLE PLANTS see page 92.*
Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

5333 —**Polyphyllus (Old Fashioned Garden Lupin).** Blue. 3 ft. Stately spikes of blue, flowers all summer. Oz., **50c.**
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. ..... Pkt. 10c

5334 ——**Albus.** Large pure white spikes. ½-oz., **30c.**
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. ..... Pkt. 10c

5335 ——**Roseus.** 4 ft. Light and dark rose flowers on long spikes. ¼-oz. **40c.**
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**. ..... Pkt. 10c

5346 ——**Mixed.** Splendid value. Oz., **40c** ..... Pkt. 10c

5347 —**Arboreus, Snow Queen.** 4 ft. The beautiful white **Tree Lupin,** forms a bush like a flowering shrub. ..... Pkt. 10c

5348 **LYCHNIS Chalcedonica (Jerusalem Cross).** 3 ft. June-Aug. Brilliant scarlet in dense flat heads. A grand border plant.
Plants, per doz., **$3.00**; 3 for **85c.** ⅛-oz. **25c** ..... Pkt. 10c

5315 —**Arkwrighti.** Brilliant orange scarlet. *Plants, per doz.*, **$3.60**; 3 for **$1.00** ... Pkt. 25c

5356 —**Alpina.** 4 in. Clusters of rose colored flowers, dwarf. ..... Pkt. 20c

—**Viscaria Splendens Plena (Double Catch Fly).** 18 in. Spikes of brilliant rosy crimson flowers, reminding one of a double red stock.
Plants, doz., **$3.60**; 3 for **$1.00.**

5353 —**Haageana Hybrids.** Mixed, ranging from nearly white to bright scarlet. ..... Pkt. 10c

5357 **LYTHRUM Roseum Superbum.** 4 ft. Tall erect pink spikes. ..... Pkt. 10c

—**Perry's Variety.** 3-4 ft. An improvement on the old "Loose Strife." Larger flowers and larger spikes of glistening cherry red. Thrives in moist places. *Plants, per doz.*, **$4.00**; 3 for **$1.25.**

MERTENSIA Virginica (Blue Bells, Virginian Cowslip). 2 ft. Lovely drooping flower spikes of a rare pale blue color. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**

MICHAELMAS DAISY. See **ASTER (Hardy).**

MINT. Old fashioned hardy useful plant. *Plants,* 4 in. pots, *doz.*, **$2.50**; 3 for **65c**; Field roots, *doz.*, **$2.00**; 3 for **55c.**

MONARDA (Bergamot, Oswego Tea). Flowers all summer.

—**Didyma.** 3 ft. Terminal heads of rich scarlet flowers, emitting a very pleasant scent. *Plants, per doz.*, **$3.50**; 3 for **$1.00.**

MYOSOTIS (Forget-Me-Not). 4 to 9 in.
The true forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants.

5362A —**Dissitiflora.** Rich blue, early and compact. One of the best. ⅛ oz., **50c.** . Pkt. 10c

5362B —**Palustris.** The true Swamp Forget-Me-Not. ..... Pkt. 20c

5362C ——**Semperflorens.** Dwarf blue, in flower from early spring until autumn . . Pkt. 20c

—**Alpestris Victoria.** Rich deep blue flowers.
Plants, per 100, **$12.00**; *doz.*, **$2.00**; 3 for **55c.**
We list the seeds of Alpestris varieties among annuals as they are better treated as such by those who have no hot bed or cold frame accomodations for wintering the yearling plants.

NEPETA Mussini. An excellent plant for rock garden or border, covered with blue flowers from early Summer to Fall. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**

OENOTHERA (Evening Primrose). 2 ft.
Showy and beautiful plants for borders, beds, etc., flowering from June to October.

—**Youngii.** Golden yellow flowers. *Plants, per doz.*, **$3.00**; 3 for **85c.**

5365 —**Fraseri.** Rich golden yellow flowers. ⅛ oz., **40c** ..... Pkt. 10c

5366 —**Macrocarpa.** 1 ft. Long trailing stems with large yellow flowers. ..... Pkt. 10c

PACHYSANDRA Terminalis. 4 in. Small, whitish flowers in May, which are insignificant; deep green evergreen foliage, after the Helleborus type, but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere and invaluable where grass will not grow. *Plants, per doz.*, **$3.00**; 3 for **85c.**

5367 **PAPAVER Nudicaule (Iceland Poppy).** 15in. **Mixed.** Elegant free flowering plants bearing flowers in abundance all summer.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **20c** ..... Pkt. 10c

5368 —**Nudicaule Yellow.** 5369 **Orange.** 5370 **White.**
Any color, ⅛ oz., **20c.** *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ..... Pkt. 10c

5371 ——**Double Mixed.** Extra fine strain. ..... Pkt. 15c

5372 —**Bracteatum.** 3 ft. Scarlet. ¼-oz., **25c** ..... Pkt. 10c

—**Orientale (Oriental Poppy).** 3 ft.
For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies, and herbaceous borders, while for cutting they are invaluable.

——**Mrs. Perry.** 3 ft. A beautiful shade of bright shrimp-pink, with black blotches at base of petals. New and very desirable. *Plants, per doz.*, **$3.60**; 3 for **$1.00.**

——**Royal Scarlet.** 4 ft. Large flowers of dazzling orange scarlet.
Plants, per doz. **$3.00**; 3 for **85c.**

5374 ——**Oriental Red.** Very striking color. ¼ oz., **30c** ..... Pkt. 10c

5375 ——**Oriental Hybrids, mixed.** ⅛ oz., **30c** ..... Pkt. 10c

PENTSTEMON (Beard Tongue)

5377 —**Pubescens.** Rosy purple. ..... Pkt. 10c

5378 —**Mixed, all colors.** A choice assortment. ..... Pkt. 10c

5380 —**Large Flowering Newest Hybrids.** A splendid assortment of colors. ..... Pkt. 15c

—**Barbatus Torreyi (Chelone.)** 3 ft. June-Aug. Handsome spikes of brilliant scarlet tubular flowers. *Plants, per doz.*, **$3.00**; 3 for **85c.**

5381 —**Digitalis.** 2-ft. June-July. Purple and white.
Plants, per doz., **$3.00**; 3 for **85c.** ..... Pkt. 10c

PEONIES. See pp. 102-103.

PHALARIS. See Grasses.

PHLOX. See next page.

5385 **PHYSALIS Franchetti. (Chinese Lantern Plant.)** 1½ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns. ..... Pkt. 10c

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names

BRIDESMAID

MISS LASSBERG

EUROPA

ANTONIN MERCIE

VAUGHAN'S HARDY PHLOX

Phlox Decussata

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

The blue, lavender and orange colored ones should be planted in semi-shade, as the sun often bleaches out the colors in a short time.

Antonin Mercie. (M. 2.) A beautiful grayish lilac with white center. A favorite among the light varieties.
Per doz., **$2.50**; 3 for **65c.**

Bridesmaid. (D. 2.) Pure white, large crimson-carmine eye. The contrast of the two colors makes a striking truce.
Per doz., **$2.50**; 3 for **65c.**

Crespuscule. (M 2.) Large cherry-red center, edged pale violet pink. The individual florets and spike are immense.
Per doz., **$3.00**; 3 for **85c.**

Dedem. (T 2.) Brilliant orange-scarlet in immense trusses and individual flowers. Very noticeable in a mixed border.
Per doz., **$3.00**; 3 for **85c.**

Elizabeth Campbell. (D. 2.) Bright salmon pink with lighter shadings and dark crimson eye. There is no better pink phlox and few as large. *Per doz.*, **$4.00**; 3 for **$1.25.**

Europa. (T. 2.) White, distinct carmine eye, large flower. A general favorite. *Per doz.*, **$4.00**; 3 for **$1.25.**

Gloire de Maroc. Deep violet, with large crimson eye, almost a violet-blue. Large flowers in immense trusses. *Per doz.*, **$2.50**; 3 for **65c.**

Maculata Alpha. (Suffruticosa.) Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. *Per doz.*, **$2.00**; 3 for **55c.**

Miss Lassberg. (T. 2.) The purest snow-white in cultivation. Extra fine. Large open truss, ideal as a cut flower. *Per doz.*, **$3.60**; 3 for **$1.00.**

Miss Lingard. (T. 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer. good for cut flowers. *Per doz.*, **$3.00**; 3 for **85c.**

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers. *Per doz.*, **$3.00**; 3 for **85c.**

Rhynstrom. Beautiful rosy-pink color not unlike that of Paul Neyron rose. A good strong grower and very free flowering. *Per doz.*, **$3.60**; 3 for **$1.00.**

Selma. (T. 2.) Large pink trusses with red eye. Very vigorous grower, producing large trusses. *Per doz.*, **$3.60**; 3 for **$1.00.**

Widmar. (M 2.) A much admired violet blue with white eye; a rich colored form of Antonin Mercie. *Per doz.*, **$3.60**; 3 for **$1.00.**

MIXED.—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. Our selection. *Per* 100 **$12.00**; *doz.*, **$2.00**; 3 for **55c.**

SPECIAL OFFER No. 101A. Two each of five varieties, our selection from above. All distinctly labeled for **$2.00 by express,** not prepaid.

SPECIAL OFFER No. 101B. One each of 6 varieties (six plants), our selection. Distinctly labeled for **$1.25 postpaid.**

SPECIAL OFFER No. 101C. Two plants each of 3 varieties (six plants), 2 distinct colors, our selection, for **$1.00 postpaid.**

We accept no responsibility for plants injured by delays in transit by Express, Freight or Parcel post. Claim should be made on transportation company.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1)	Early	(D)	Dwarf	**Our prices are for one-year field grown plants.**
(2)	Mid-season	(M)	Medium	
(3)	Late	(T)	Tall	

Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered on this page.

Amoena Rosa. Bright pink flowers in May and June. Height 6 in.
Per dozen, $2.50; 3 for 65c.

Pilosa Splendens. A new spring-flowering Phlox that produces great masses of lilac-rose flowers; 1 foot; May. **Per dozen, $2.50; 3 for 65c.**

Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June, height, 4 in. **Per dozen, $2.50; 3 for 65c.**

Subulata Rosea. Same as above but with dainty pink flowers. This and Alba are fine for graves. **Per dozen, $2.50; 3 for 65c.**

Phlox Arendsi

Flowers in May, height 12 to 14 inches, excellent for perennial borders and shrubberies. Continues long in bloom.

Amanda. 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder. **Per dozen, $2.50; 3 for 65c.**

Luise. Height, about 24 in. Color of flower, pale lilac with carmine eye. **Per dozen, $2.50; 3 for 65c.**

ELIZABETH CAMPBELL—The Best Pink Phlox.

PHYSOSTEGIA GRANDIFLORA

PYRETHRUM ROSEUM

RUDBECKIA PURPUREA

Vaughan's Perennial

PHYSOSTEGIA (False Dragon Head). 3 ft. June to Sept.

—**Grandiflora.** (New). Deep pink. 2 ft. *Plants, doz.*, **$4.00**; 3 for **$1.20**

5386 —**Virginica.** Dense bushes with spikes of delicate pink tubular flowers. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5387 ——**Alba.** White. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

PLATYCODON (Chinese Balloon Flower). 2 ft.

Very handsome border plants of the **Campanula family**, the flowers in bud having the appearance of inflated balloons, they flower from June to Sept.

5391 —**Grandiflorum.** Large handsome deep blue flowers. *Per doz.*, **$3.60**; 3 for **$1.00**..Pkt. 10c

5392 ——**Album.** Pure white. *Plants, per doz.*, **$3.60**; 3 for **$1.00**.....Pkt. 10c

5393 —**Mariesii.** 1 ft. Deep blue flowers, dwarf. ⅛ oz., **35c**.....Pkt. 10c

PLUMBAGO Larpentae (Leadwort). 8 in. A pretty Autumn-flowering plant, with clusters of cobalt-blue flowers: fine for edging. *Plants, per doz.*, **$3.00**; 3 for **85c.**

POLYGONATUM Giganteum (Solomon's Seal). 3 ft. Desirable plant for shade, woodland, or bordering shrubs. The flowers are white, and hang in twos and threes from the underside of the foliage, which grows about 2-3 feet high like a fern frond. *Plants, per doz.*, **$3.00**; 3 for **85c.**

POLEMONIUM (Jacob's Ladder).

5395 —**Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue spikes.....Pkt. 10c

5396 —**Grandiflorum Album** Pure white.....Pkt. 10c

POTENTILLA (Cinquefoil). 1 ft.

5397 —**Formosa.** Strawberry-like foliage, with cherry rose colored flowers in summer.Pkt. 10c

5399 —**Single mixed,** all colors.....Pkt. 10c

5400 —**Double mixed,** all colors.....Pkt. 20c

POPPY—See Papaver.

For prices of SINGLE PLANTS see page 92.

PRIMULA (Primrose)

5401 —**Auricula.** 6 in. flowers in early spring in colors of yellow, brown and red..Pkt. 10c

5402 —**Japonica, Mixed.**.....Pkt. 15c

—**Rheingold.** Orange and red. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

5404 —**Veris (Elatior).** The pale yellow Oxlip, bearing flowers in umbels.....Pkt. 10c

5405 —**Grandiflora.** An extra choice large-flowered mixed strain. *Plants, per* 100. **$15.00**; *doz.*, **$3.00**; 3 for **85c.**.....Pkt. 20c

5406 —**Lutea Gigantea.** Fine yellow, a remarkably handsome variety.....Pkt. 25c

5407 —**Vulgaris (Common Primrose).** Flowers pale yellow.....Pkt. 10c

5410 **PUERARIA Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk).** 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful, strong growth. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ¼ oz., **25c**.....Pkt. 10c

PYRETHRUM. One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; of colors almost every shade, which make them foremost in this particular season.

5411 —**Roseum, Double Mixed.** Extra choice, selected seed.....Pkt. 25c

5412 —**Roseum, Single Mixed.** *Plants, per doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **30c**....Pkt. 10c

5413 —**Roseum Hybridum Grandiflorum. Single Mixed**.....Pkt. 15c

—**Uliginosum.** 4. ft. Large giant daisy-like flowers, in great profusion. *Plants, per doz.*, **$3.00**; 3 for **85c.**

RANUNCULUS Repens, Fl. Pl. A showy plant bearing rosettes of double yellow flowers during May and June. *Plants, per doz.*, **$3.00**; 3 for **85c.**

—**Acris Flora Plena.** Double yellow upright grower. *Plants, per doz*, **$3.60**; 3 for **$1.00.**

5419 **ROMNEYA Coulteri (California Tree Poppy).** 5 ft. Flowers all summer. Beautiful snowy white fragrant flowers.....Pkt. 15c

5420 **ROSMARINUS Officinalis (Rosemary).** An old garden favorite; fine as single specimens, makes a nice fragrant hedge. *Plants, per doz.*, **$3.00**; 3 for **85c.**..Pkt. 10c

RUDBECKIA (Cone Flower).

Somewhat resembling the **Sunflower**, but differing in the central disc of the single flowers protruding in the form of a cone. A highly ornamental Autumn-flowering plant, much valued for cutting.

——**Laciniata fl. pl. (Golden Glow).** 6 ft. July-Sept. Rich yellow, double flowers, much prized for cutting. *Plants, per doz.*, **$3.00**; 3 for **85c.**

5422 —**Fulgida,** yellow.....Pkt. 10c

5423 —**Large Flowered Yellow**.....Pkt. 10c

5424 —**Newmanii.** 3 ft. Rich golden yellow with central black disc. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5425 —**Purpurea Grandiflora,** Syn., **Echinacea Purpurea (Purple Cone Flower).** 3 ft. September; large handsome crimson-purple flowers with dark central disc. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5426 **SALVIA Argentea.** 3 ft. Silvery-white foliage, pyramids of white flowers, Pkt. 10c

5427 —**Azurea Grandiflora.** 4 ft. Sept-Oct. Stately willow-like growth, spikes of pale blue flowers. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt 10c

5428 —**Patens.** 2 ft. Large rich pure blue flowers.....Pkt. 25c

—**Pitcheri (Meadow Sage).** 3 ft. August to October. One of the finest blue garden plants for brilliancy, far in advance of *Anchusa Italica.* It flowers in the fall right up to the first frost, the flowers coming in regular sheaves of cornflower blue. *Plants, per doz.*, **$3.00**; 3 for **85c.**

5429 —**Officinalis (Common Sage).** *Plants, per* 100, **$12.00**; *doz.*, **$2.50**; 3 for **65c**..Pkt. 5c

5430 **SANTOLINA Maritima (Incana).** 1 ft. Silvery white fragrant foliage.....Pkt. 10c

5433 **SAPONARIA Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. *Plants per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5434 **SCABIOSA Caucasica (Pincushion Flower) (Mourning Bride).** 3 ft. Large pale mauve flowers on long stems; fine for cutting. *Plants, per doz.*, **$3.00**; 3 for **85c**. Pkt. 15c

5435 —**Alba.** Flowers white, very beautiful. *Plants, per doz.*, **$3.00**; 3 for **85c**.....Pkt. 15c

5436 —**Japonica.** 2 ft. Lavender blue flowers. ⅛-oz., **40c**.....Pkt. 10c

Varieties with no marginal number are offered in plants only

Flower Seeds and Plants

SEDUM (Stonecrop).
Charming plants, great diversity of character, much used for edgings, carpet bedding and on rockeries.

—**Acre.** 3 in. May-June. Common yellow stonecrop.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

—**Brilliant.** 6 in. Bright scarlet. *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

—**Latifolium Atro-purpureum.** Deep rosy crimson shade.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

—**Rubrum.** 15 in. Dark carmine rose flowers. *Per* 100, **$15.00**; *doz.*, **$3.0**; 3 for **85c.**

SILENE (Catchfly). July-Oct.
Useful plants for front row of Herbaceous border, bearing quantities of bright flowers.

5439 —**Orientalis.** 8 in. Handsome rosy pink flowers.....Pkt. 10c

5440 —**Schafta.** 4 in. July-Oct. Bright rose one of the best Autumn border plants..Pkt. 15c

SOLIDAGO (Golden Rod) American National Flower.

5442 —**Canadensis.** 3 ft. Gracefully arched sprays of golden yellow flowers.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

—**Golden Wing.** 2½ ft. Immense heads of pure golden yellow. Quite an improvement on and distinct from Canadensis. *Plants, per doz.*, **$3.60**; 3 for **$1.00.**

SPIRAEA (Goat's Beard or Meadow Sweet). June-July.

—**Filipendula fl. pl. (Double Dropwort).** 2 ft. Dwarf cushions of fern-like foliage, with corymbs of double white flowers, useful for cutting.
Plants, per doz., **$3.60**; 3 for **$1.00.**

—**Lobata Venusta.** 4 ft. deep pink. *Plants, per doz.*, **$3.60**; 3 for **$1.00.**

5443 **STACHYS Lanata.** Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed.....Pkt. 10c

STATICE (Sea Lavender).
Large spreading panicles of light, graceful flowers, much prized for winter decoration dried.

5444 —**Latifolia.** 2 ft. Dense branching plumes of deep blue flowers.
Plants, per doz., **$3.00**; 3 for **85c**.....Pkt. 10c

5446 **STOKESIA Cyanea (Stokes' Aster).** 18 in. July-Oct. Flowers rich blue, like a giant cornflower, very distinct.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.** ⅛ oz., **25c**.....Pkt. 10c

5447 —**Alba.** The white companion of the preceding.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

5448 —**Mixed Colors.** *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

SWEET WILLIAM—See Dianthus Barbatus.

TARRAGON, True. Used for cooking purposes. Large clumps. (This variety does not produce seed). *Plants, per* 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c.**

THALICTRUM (Meadow Rue.)

5449 —**Adiantifolium.** 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. *Plants, per doz.*, **$3.00**; 3 for **85c**....Pkt. 10c

5449A—**Aquilegifolium Album.** Showy feathery plumes of white flowers, graceful fernlike foliage *Plants, per doz.*, **$3.00**; 3 for **85c.**.....Pkt. 10c

5450 —**Dipterocarpum (New).** 4-5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. One of the most graceful and decorative plants in our whole list.
Plants, per doz., **$4.00**; 3 for **$1.10**.....Pkt. 25c

5453 **THYMUS Vulgaris (Common Thyme).** For seasoning.
Plants, per doz., **$2.50**; 3 for **65c**.....Pkt. 5c

TRILLIUM Grandiflorum (Wake Robin). 12 in. May-June. Large snowy-white flowers; one of the best of our native plants.
Plants, per 100, **$12.00**; *doz.*, **$2.50**; 3 for **65c.**

TRITOMA (Torch Lily, Flame Flower, Red Hot Poker).
Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

—**Pfitzeri (Everblooming Flame Flower).** 3 ft. Aug.-Nov. Bright orange scarlet.
Plants, per 100, **$20.00**; *doz.*, **$3.00**; 3 for **85c.**

5454 —**Uvaria Grandiflora.** 4 ft. Aug.-Nov. The ordinary red Tritoma.....Pkt. 10c

VALERIANA (Garden Heliotrope).

—**Officinalis.** 3 ft. June-July. Large trusses of pale pink flowers.
Plants, per doz., **$3.00**; 3 for **85c.**

5456 —**Rubra.** 2 ft. Sweet scented red flowers.....Pkt. 10c

5457 —**Alba.** Pure white flowers.....Pkt. 10c

VERONICA (Speedwell). Amethystina. 1 ft. May-July. Delightful flowers of a deep amethyst blue color. *Plants, per doz.*, **$3.00**; 3 for **85c.**

—**Longifolia Subsessilis.** 2 ft. Aug. One of the finest Autumn blue flowers, handsome heads of rich violet blue. *Plants, per doz.*, **$3.00**; 3 for **85c.**

5460 —**Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers.
Plants, per 100, **$15.00**; *doz.*, **$3.00**; 3 for **85c**.....Pkt. 10c

—**Alba.** Pure white form of the preceding. *Plants, per doz.*, **$3.00**; 3 for **85c.**

5461 —**Perennial Varieties Mixed**.....Pkt. 10c

VINCA (Periwinkle, Green Myrtle). 4 in. June.
Valuable for rockeries or makes a grand evergreen carpet under and about shrubs and trees.

—**Minor (Grave Myrtle)** Green foliage, large blue flowers.
Plants, per 100, **$15.00**; *doz.*, **$2.50**; 3 for **65c.**

—**Argentea Variegata.** Silver varicgated foliage and blue flowers, much used for baskets and porch boxes. *Plants, per doz.*, **$3.00**; 3 for **85c.**

5471 **VIOLET—Single.** Deep blue, common single violet.....Pkt. 10c

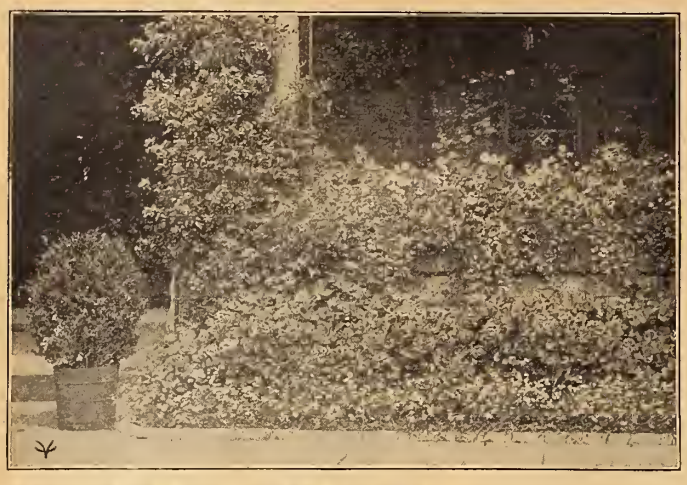
5472 **YUCCA Filamentosa (Adam's Needle).** 5 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, while the sword-like foliage.
Plants, 2 yr., *doz.*, **$3.00**; 3 for **85c**; 3 yr., *doz.*, $4.00; 3 for **$1.10.**

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names

SCABIOSA CAUCASICA

STATICE LATIFOLIA

SEDUM SPECTABILE



Bedding Plants

For Beds, Porches and Window Boxes

THESE plants, from our own greenhouses, are carefully grown and thoroughly hardened off before being sent out. We pack carefully, and prefer to send by express, as they travel and arrive in better condition.

If wanted by Parcel Post, add for postage:
5c per plant; 10c for three; 20c per dozen.

Unless marked otherwise the first size offered below of each, has been grown in a 2-inch or 2½-inch pot.

Note.—These plants are ready May 1st, and should not be planted out of doors earlier than that in the latitude of Chicago or New York.

	Each	Doz.	100
AGERATUM, Little Blue Star. Intense blue. 6 to 8 inch. For borders	$0.20	$1.25	$8.00
From 3 inch pots	.30	2.00	12.00
ALTERNANTHERA. For carpet bedding and edges. **Aurea Nana.** Green and yellow, 6 inch	.20	1.00	7.00
Brilliantissima. Broad bright red foliage	.20	1.00	7.00
ALYSSUM, Vaughan's Little Gem. The best pure white dwarf Alyssum. Height of plant 5 inches	.20	1.25	8.00
AMARYLLIS, Giant Hybrids. Large flowers, magnificent colorings: see also Bulb pages. Dormant 3 inch bulbs	1.00	10.00	...
ANTIRRHINUM (Snapdragon), Vaughan's Select Tall Strain. Pink, red, white, yellow or mixed. 2 inch pots	.20	1.00	7.00
ASTERS, Vaughan's Giant Branching. Lavender, red, rose, pink, shell-pink, purple, white, mixed. Transplanted.	...	.60	4.00
From 2½ inch pots	.20	1.00	7.00
BEGONIA. Gloire de Chatelaine. Silvery pink, compact habit, strong, vigorous grower	.25	1.50	10.00
From 3 inch pots	.35	2.50	18.00
Luminosa. Bright scarlet. Red foliage	.20	1.25	8.00
BROWALLIA SPECIOSA MAJOR. A beautiful variety of the most brilliant ultramarine blue	.25	1.50	10.00
CALADIUM Esculentum. (Elephant's Ear.) Started plants, 5 inch pots	.50	5.00	.....
Started plants, 6 inch pots	.75	8.00	.....
Fancy Leaved. (See House Plants.)			
CASTOR OIL BEAN PLANT. (Ricinus) Green or Red. For tropical foliage beds	.25	1.25	8.00
From 4 inch pots	.35	2.50	....
CENTAUREA Gymnocarpa. (Dusty Miller). The gray fern-like leaves make effective contrast border between green lawn and brilliant plants in beds. Grows 10 inches high	.20	1.00	7.00
CHINESE WOOLFLOWER. Crimson feathery heads	.20	1.00	7.00
COLEUS. Defiance	.20	1.00	7.00
Golden Bedder. Large yellow leaves. 12 to 14 inch	.20	1.00	7.00
Verschaffeltii. Dark crimson leaves. 12 to 14 inch	.20	1.00	7.00
Beckwith's Gem. A fine combination of gold and crimson maroon	.20	1.00	7.00
DAISY (Bellis Perennis.) See Perennials.			
DRACAENA Indivisa. Long green leaves; 3 inch pots	.30	2.50	...
From 4 inch pots	.50	5.00	...
Larger plants, **75c and $1.00.**			
FEVERFEW. Double White **"Little Gem."**	.20	1.00	7.00

FUCHSIAS

Easy of culture in partly shaded location. Effective out-doors in beds, pots, boxes or vases.

Black Prince. Bright, waxy carmine; large, pink corolla.
Speciosa. Pale red tube and sepals; dark red corolla.

Prices of above	.25	1.50	...
From 4 inch pots	.40	3.60	...

GERANIUMS. Green leaved.

Beaute Poitevine. A favorite semi-double pink.
Lucifer. Double. Glowing scarlet, very large flower heads.
La Favorite. The best double white.
S. A. Nutt. Best dark crimson-scarlet bedder.

Prices of above	20	1.50	10.00
From 3 inch pots	.30	2.00	15.00
From 4 inch pots	.40	3.00	22.50

GERANIUMS—Continued.

	Each	Doz.	100
VARIEGATED-LEAVED			
Mme. Salleroi. Green and white leaves. Splendid for borders	$0.20	$1.25	$8.00
IVY-LEAVED			
Beauty of Jersey. Double pink.			
Joan of Arc. Only double white Ivy Geranium.			
Quedlinburger. Large double crimson flowers.			
L'Etincelant. Double, glowing red.			
Souv. de Chas. Turner. Rosy pink, double.			
Victor Von Shirley. Semi-double flowers, rich glowing scarlet in large trusses; free bloomer.			
Prices of above, six kinds	.20	1.50	10.00
From 3 inch pots	.30	2.00	15.00
ROSE GERANIUM. Rose scented	.20	1.25	8.00
PANSY-GERANIUM, (Pelargonium).			
Easter Greeting. Large, bright amaranth red, 4 in.	.35	3.00	....
4 in.	.50	5.00	....
Mrs. Layal. A grand variety for house culture, 4 in.	.30	2.00	....
4 in.	.50	4.20	....
Lucy Becker. Pleasing shade of rosy pink	.35	3.00	....
HELIOTROPE, Centefleur. Dark purple	.20	1.25	8.00
From 4 inch pots	.35	2.50	18.00
Mammoth Mixed	.20	1.00	7.00
From 4 inch pots	.30	2.00	15.00
LANTANA, Weeping. Valuable for window boxes	.20	1.50	....
LOBELIA. Bedding Queen. Bright blue	.20	1.00	7.00
Sapphire. Long deep blue flowers, white eye	.20	1.00	7.00
MARGUERITE, Mrs. F. Sander. New white	.25	1.50	10.00
From 4 inch pots	.35	3.00	.....
Etoile d'Or. Rich yellow	.25	1.50	10.00
From 4 inch pots	.35	3.00	.....
PANSY, Vaughan's International Mixture	...	.75	5.00
Vaughan's Giant-Flowered	...	.75	5.00
PENNISETUM Longistylum. Graceful white plumes. 12 to 18 inches. For borders of Canna beds	.25	1.25	8.00
PETUNIA, Balcony Queen. Purple with white markings	.20	1.00	7.00
Rosy Morn. Rose with white markings	.20	1.00	7.00
Snowball. Pure white single	.20	1.00	7.00
Vaughan's Choicest Double. Mixed	.25	1.50	10.00
Single Mixed	.20	1.00	7.00
SALPIGLOSSIS. From Vaughan's Special Seed	.20	1.25	6.00
SALVIA Splendens (Scarlet Sage).			
Drooping Spikes. Plants grow 2½ ft. tall	.20	1.00	7.00
From 4 inch pots	.35	2.50	18.00
Fireball. Brilliant red. Plant, 18 inches high	.20	1.00	7.00
From 4 inch pots	.35	2.50	18.00
Globe of Fire. Brilliant scarlet	.20	1.00	7.00
From 4 inch pots	.35	2.50	18.00
VERBENA Hybrida. Mammoth pink, purple, scarlet, white or mixed	.20	1.00	7.00
Defiance. Brilliant scarlet	.20	1.00	7.00
Mayflower. Beautiful pink	.20	1.00	7.00
Lemon Scented. Delightful fragrance	.25	2.00	...
VINCA ROSEA. (Periwinkle)	.20	1.25	8.00
Rosea Alba	.20	1.25	8.00
ZINNIAS. Vaughan's Colossal. White, Pink, Purple, Scarlet or Mixed	.20	1.00	7.00

House and Conservatory Plants

ASPARAGUS Plumosus and Sprengeri, 20c, 30c and 40c each.

CALADIUM. Fancy-Leaved. Potted bulbs, ready in May. Wonderful coloring. From 3 inch pots, each, **50c**; larger, **75c and $1.00.**

CROTON. Richly colored foliage plants. 3 inch pot, each, **50c**; larger, each, **75c**; Specimens, **$1.00, $1.50** and up.

CYPERUS Alternifolius. Graceful water or house plant. Each, **20c.**

DRACAENA Indivisa. Long pointed leaves. 3 inch pot, **30c**; doz., **$2.50**; 4 inch pot, **50c**; doz., **$5.00**; 5 inch pot, **75c** to **$1.00** each.

CROTON

Green and Variegated-leaved. We have a splendid collection, well colored. From 4 inch, **$1.25**; larger plants from **$2.00** to **$4.00** each.

Deffenbackia Magnificia (Shining leaves). Green foliage, varigated with white. Each, **75c** to **$1.25.**

Terminalis. Rich crimson foliage marked with pink and white. Each, **75c** to **$1.00.**

FERNS

Boston. Splendid plants. Each, **30c, 40c, 75c, $1.00** to **$5.00.**
Holly Fern. A good house plant. Each, **50c.**
Ostrich Plume. Feathered fronds, very graceful. Each, **30c, 40c, 75c, $1.00.**
Small Ferns for Dishes. Assorted varieties. Each, **20c**; doz., **$1.50.**

FICUS Elastica. (Rubber Plant.) From 4 inch pots, **75c**; larger, **$1.00** to **$2.00.**
Repens. A trailing variety with small leaves. 3 inch pots. Each, **30c**, doz., **$2.50.**

HYDRANGEAS. Pink, deep rosy pink and white flowers in large clusters. Fine for porch and lawn decoration. **50c** to **$1.00** each, Specimens in tubs, **$4.00** and **$6.00.**

PANDANUS Veitchii. Green and white. Very showy plant. 4 inch pots, each, **$1.00**; larger sizes, **$1.50, $2.00 and $3.00.**

SCILLA Maritima. (Sea Onion). We supply pot grown bulbs, the latter standing well above earth in the pot. Each, **25c** and **50c.**

Prices given on application for filling Window Boxes, Hanging Baskets, etc., with Ferns, Palms, Shrubs and Flowering Plants.

CHRYSANTHEMUMS

We wish our patrons to note that in our list of Chrysanthemums we do not pretend to have the largest collection of varieties; but we offer those varieties that have proven the best from all sources

Larger quantities by express at buyer's expense.

JAPANESE ANEMONE

Clemencia. Deep pink, shading deeper in the center, and crowded with petals. At first glance it resembles an artificial flower, as petals are very crisp and showy. **Each, 30c; doz., $2.50.**

C. L. Hutchison. Large white, pointed petals, small high cushion. **Each 25c; doz., $2.25.**

Garza. Medium size, white, used extensively for sprays. **Each, 25c; doz., $2.25.**

Innocencia. Outer petals of pure white; central petals flushed pale pink; edges of the tubular petals in center light yellow; exquisite. **Each, 30c; doz., $2.50.**

Juno. Deep lilac, shading to white; the center head is loose and graceful and of a deeper shade than the outer petals; magnificent in its coloring. **Each, 30c; doz., $2.50.**

Pepita. Pale pink with orange-yellow center; the flower is heavy and of great substance. **Each, 30c; doz., $2.50.**

Titian Beauty. Color deep, rich bronze, shading in center to scarlet; the most striking of the collection; outer petals reflex, showing the center to advantage. **Each, 30c; doz., $2.50.**

The Chief. Sulphur-yellow shading to light lemon, yellow; center full and rounded and slightly darker than the ray florets; 3 to 4 inches in diameter. Matures first week in November. **Each, 50c; doz, $5.00.**

SPECIAL OFFER No. 111. The set of 8 for $2.25, postpaid.

FOR POT CULTURE

Following varieties are most adapted for plants of all decorative sizes and are used extensively as conservatory and house plants.

Aug. Dasse. Golden yellow.

Chieftain. Very pleasing shade of pink. Incurved.

Harvard. Bright crimson.

Mrs. F. Beu. Bronze.

Marion Newell. Pleasing shade of pink.

May Foster. Snow white.

Mrs. Wm. Buckingham (Single). A large flat flower of a lovely shade of rosy pink; keeps well, both on and off the plant. **Each, 25c; doz., $2.25; per 100, $12.00.**

Old Gold. Deep yellow; large size. **Each, 25c; doz., $2.25; 100, $12.00.**

Smith Imperial. An extra fine incurved white. Short jointed ridged stem. Has abundant glossy foliage extending up to the bloom. **Each, 25c; doz., $2.25; per 100, $12.00.**

The Bard. Dark crimson, very free flowering.

Well's Late Pink. One of the finest pinks.

Wm. H. Lincoln. Pure yellow. **Each, 25c; doz., $2.25; 100, $12.00.**

Price, except where noted, **each 20c postpaid; doz. $2.00; per 100, $10.00.**

SPECIAL OFFER No. 111B. Set of 12 for $2.25, postpaid.

MARION NEWELL

SMALL-FLOWERED OUTDOOR VARIETIES

The following varieties are a cross between French sorts and the Hardy English varieties and have gained popularity in this country in recent years, because with slight protection they will withstand our severe winters. Care should be taken to plant these in early spring, so that they may establish themselves sufficiently to withstand the rigors of our winters. Do not plant in the fall.

Bijou Rose. Beautiful rose, free flowering, dwarf growing.

Charlotte. Deep bronze.

Elva. Early white, very free.

Fairy Queen. Very handsome bright pink, large.

Kate Manning. Reddish bronze, very early.

Miss Seeley. White, one of the best earlies.

Uneda. Deep yellow; early.

Zoda. Rose pink; early.

Each 20c; doz., $2.00; per 100 $8.00 (by exp.)

SPECIAL OFFER No. 111A. The collection of 8 plants described above for $1.35, postpaid.

LARGE-FLOWERED OUTDOOR VARIETIES

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil.

A. Barham. Bronze; incurving.

Carpet of Snow. White, 6 in. clusters; end Aug.

Carrie. Flowering the end of August. Yellow and in cluster form.

Cranfordia. Large, six inch clusters, yellow flowers on single stems.

Framfield. Early. Start to flower in August. Large white cluster, very free.

Firefly. A reddish bronze; flowers very early and continues until late frosts arrive.

Golden Queen. Large pure golden yellow.

Goacher's Crimson. The best of all crimsons. **Each, 30c; doz., $2.50; 100, $12.00.**

Gustave Grunnerwald. Light pink. **Each, 30c; doz., $2.50; 100, $12.00.**

Le Pactole. Very pleasing bronze; free and early. **Each, 25c; doz., $2.25; 100, $12.00.**

Madame Marques. Blush white changing to pure white when fully open. A splendid variety; fully developed by October 1st.

Miss F. Collier. Large white flowers borne on very stiff stems, height about 30 inches. **Each, 25c; doz., $2.25; 100, $12.00.**

Normandie. Blush pink; very dwarf and free

Pink Harbinger. Rose pink. **Each, 30c; doz., $2.50; 100, $12.00.**

Price, except where noted, **each 20c, postpaid; doz., $2.00; per 100, $10.00 (by exp.)**

SPECIAL OFFER No. 111D. Set of 14 plants or $2.50, postpaid.

POMPON CHRYSANTHEMUMS.

All Collections of Chrysanthemum Plants and those ordered at single plant rate go PREPAID.

LARGE-FLOWERING OUTDOOR TYPE

CAPRICE TYPE

Originated in France. A new early flowering strain and ideal for pot culture. Can be planted out in the open ground in May if desired and potted the first part of September, making beautiful specimens.

Butler's Caprice. Flowers deep pink, compact grower.

Katherine Thompson. Crimson, strong grower.

Mrs. Greening. Flowers pink, with lighter shade in center; fine large foliage and strong stem.

Lilac Cap. Pretty lilac-mauve. Dwarf.

Purple Cap. Dwarf compact grower.

Yellow Cap. Bright clear yellow, ball-shaped flowers.

White Cap. Pure white.

Each 25c, postpaid; doz. $2.50; 100, $12 (by exp.)

SPECIAL OFFER No. 111C. Set of 7 for $1.25, postpaid.

POMPON VARIETIES

These Button varieties are well known throughout the country for their beauty contrasted with the Autumn foliage in the early days of Fall. They last into the early Winter.

Baby. Very small flowered yellow.

Clarinda. Even shade of bronze.

Diana. Pure white.

Golden Climax. Bright yellow.

Helen Newberry. White, large flowers.

Jules La Gravere. Crimson; medium height, mid-season

Lilian Doty. Early pink; large ball-shaped flowers.

Leota. Delicate pink. One of the best.

Zora. An early bright yellow.

Each 20c, postpaid; doz. $2.00; per 100 $8.00 (by exp.)

SPECIAL OFFER No. 111E. Set of 9 for $1.50, postpaid.

CLIMBING VINES—HALF HARDY OR ANNUAL

CARDINAL CLIMBER. A graceful annual climber. The flowers are 1½ inches in diameter of a fiery cardinal red, flowering from mid-summer until frost. The foliage is deeply laciniated and heavier and coarser than those of the Cypress Vine, to which it is related. Planted in good, rich soil when all danger of frost is over it makes a rapid growth, attaining a height of 30 feet. Strong plants, **each 30c; doz. $2.50.**

COBAEA Scandens. (Cathedral Bells). Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower. 2½-in. pots, **each 25c; doz. $2.50; 100, $15.00.** From 4-in. pots, **each 45c; doz. $4.20.**

IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases. 2½-in. pots, **each 25c; doz. $2.00; 100, $12.00.** 4-in. pots, **each 40c; doz. $3.50; 100, $25.00.** 9-in. tubs, **each $4.00.**

IVY, German (Parlor Ivy). 2-in. pots, **each 25c; doz. $1.25; 100, $8.00.** 3 in. pots, **each 30c; doz. $2.00, 100, $15.00.**

MOONFLOWER. (Ipomoea Learii). **Blue.** A beautiful satiny blue. 2½-in pots, **each 25c; doz. $1.50; 100, $10.00.** 3 in. pots, **each 35c; doz. $2.50.**

White. Large flowers. 2½-in pots, **each 25c; doz. $1.50; 100, $10.00.** 4-in. pots, **each 35c; doz. $2.50; 100, $18.00.**

MEXICAN MORNING GLORY. (Ipomoea Paniculata). A wonderfully interesting climber; grows 30 ft. or more in a season; flowers in clusters of 4 or 5 from each leaf axil, pinkish lavender color. Opens in early morning and about 3 p. m. Each day a new flower opens, several clusters at a time often showing 25 flowers in bloom. Winter roots in cellar like Dahlias; they increase yearly, sometimes as large as a water pail. It is scarce and the wonder of every neighborhood where grown. First size roots, **each 35c, doz., $3.75.**

MADEIRA VINE. A popular climber. Strong tubers. **Each 10c; doz. $1.00; 100, $6.00.**

NASTURTIUM, DOUBLE FLOWERED. Darmstadt. Flowers double, yellow, sweet scented. From 2½-in. pot plants, **each 20c; doz. $1.50; 100, $10.00.**

VINCA Major Variegata. For basket and vase. 2½-in. pots, **each 20c; doz. $1.50; 100, $10.00.** From 3 in. pots, **each 25c; doz. $2.00; 100, $15.00.** From 4-in. pots, **each 40c; doz. $3.50; 100, $22.50.**

WEEPING LANTANA. A trailing sort or vases and hanging baskets. Delicate rosy lilac flowers borne freely summer and winter. **Each 20c; 3 for 50c; doz. $1.50; 100, $10.00.**

Vaughan's Choice Collection

A most distinct and interesting collection of Cannas, both rare and effective Be careful in ordering and planting Cannas to note height of growth, so that, when in groups, tall ones are at back, smaller at front, or that kinds of about one height are planted together.

Aigle. 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings; erect spikes.
Each, 35c; doz., $3.00; 100, $18.00.
From 4 inch pots, each, 45c; doz., $3.75.

Altitude. 5½ ft. Bronze foliage, over which stand the magnificent bright scarlet flower spikes. The individual blooms are immense and of great substance.
Each, 35c; doz., $3.00; 100, $18.00.
From 4 inch pots, each, 45c; doz., $3.75.

Aviation. 4 ft. Foliage green, good sized spike; flowers very large, clear vermilion.
Each, 35c; doz., $3.00; 100, $18.00.
From 4 inch pots, each, 45c; doz., $3.50.

Colossal. 5 ft. Green foliage. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.
Each, 30c; doz., $2.50; 100, $15.00.
From 4 inch pots, each, 40c; doz., $3.25.

Fanal. 4 ft. Green foliage. An intense fiery cinnamon red that compels attention. An ideal grower producing a great abundance of flowers on upright stems well above the foliage.
Each, 50c; doz., $4.20.
From 4 inch pots, each, 60c; doz., $6.00.

Goldbird. (l'Oiseau d'Or). 4½ ft. Flowers of good shape and large size; vigorous growth. The color is a bright yellow, making it a good companion to Firebird.
Each, 35c; doz., $3.00; 100, $18.00.
From 4 inch pots, each, 45c; doz., $3.75.

Jane Addams. 4½ ft. Green foliage. Buttercup-yellow with blotches of red in the throat; a clean vigorous grower and very free bloomer.
Each, 50c; doz., $4.20.
From 4 inch pots, each 60c; doz., $6.00.

Mrs Alfred Conard. 4 ft. Green foliage. Flowers salmon pink of large size on finely shaped flower heads.
Each, 35c; doz., $3.00; 100, $18.00.
From 4 inch pots, each, 45c; doz., $3.75.

Oriental. 4 ft. Foliage light green. This is a grand variety and when massed is very effective. Flowers are golden yellow, tigred with nasturtium-red, forming immense spikes.
Each, 50c; doz., $4.20.
From 4 inch pots, each, 60c; doz., $6.00.

Panama. 2 ft. Green foliage. The rich orange-red face of the petals is bordered with a broad edge of golden yellow. The trusses are produced freely.
Each, 30c; doz., $2.50; 100, $15.00.
From 4 inch pots, each, 40c; doz., $3.25.

All Canna plants from 2½ inch pots offered on this page at "Each" (or single plant) go prepaid. Larger lots and sizes by express at buyer's expense. To estimate postage on 2½ inch pot plants to different zones, figure on one dozen plants, weighing 3 pounds, packed.

SPECIAL OFFERS

No. 112A. One each of the above (10) Cannas, postpaid, from 2½ inch for **$3.25.**
No. 112B. One each of the above (10) Cannas from 4 inch pots for **$4.00, (exp.)**
Prepayment as noted here means through Fourth Postal Zone.
For prepayment to further zones, add 15 cents per doz. 2½ inch plants.

VAUGHAN'S

Yellow King Humbert added two years ago was the sensation among Canna planters. It is the largest yellow spotted Canna since we introduced Florence Vaughan. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, San Diego and San Francisco, we were awarded grand medals for our exhibits of these plants.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect, characterize the Canna beds of today. No public park, or garden, private estate or school grounds can do without canna beds. Our annual effective displays of them at our Greenhouse grounds near Chicago are the surprise and admiration of all visitors.

Vaughan's Cannas

SUPERLATIVE COLLECTION

This short collection comprises the best obtainable leading new Cannas of real merit in both size of flower and clearness of color.

YELLOW KING HUMBERT 4 feet.

An orchid-flowering sport of the well-known variety King Humbert. Has the same habit of growth as its parent; foliage a very dark green, with flowers measuring 5 to 7 inches across; individual petals 3 to 3½ inches in diameter. Color of flower a deep rich yellow, softly spotted and blotched with bright red.

Some plants will occasionally give a searlet or scarlet striped flower, which we consider an improvement, rather than a defect. Each, 30c; doz., $2.50; 100, $15.00.
From 4 inch pots, each, 40c; doz., $3.25; 100, $20.00; **by express.**

KING HUMBERT SCARLET FLOWERS, BRONZE LEAVES GREATEST FAVORITE TODAY

This remarkable "Gold Medal" Canna has been the sensation of the past eight years. It is a cross between the orchid-flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free blooming character of the other, and the handsome broad, tropical foliage. 4 ft.
Each, 25c; doz., $2.00; 100, $12.00.
From 4 inch pots, each, 35c; doz., $2.75; 100, $18.00; **by express.**

HUNGARIA

3½ feet. **The Best Pink Canna.** Very compact, almost dwarf and of a very luxuriant growth. Leaves bluish green, never burn. Trusses of enormous size borne well above the foliage. Flowers very large, with immense petals. Color purest La France-pink, with satin sheen. Each, 35c; doz., $3.00; 100, $18.00.
From 4 inch pots, each, 45c; doz., $3.75.

Eureka. 4 ft. Remarkably free flowering variety, and with its striking white flowers, which first appear cream, makes a very effective show in conjuction with a good scarlet such as Firebird or King Humbert. A robust grower forming sturdy, shapely plants quickly. Each, 35c; doz., $3.00; 100, $18.00.
From 4 inch pots, each, 45c; doz., $3.75; 100, $22.50; **by express.**

Firebird. The best scarlet green-leaved variety. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across; a clear glistening scarlet without any streaks, spots or blotches. We have grown and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it. See illustration on opposite page. Each, 35c; doz., $3.00; 100, $18.00.
From 4 inch pots, each, 45c; doz., $3.75; 100, $22.50; **by express.**

Gustave Gompper. 3½ to 4 ft. Flowers of great size and substance, in color, a fine golden yellow, the lower petals being slightly splashed with red. Stiff erect stems and large flower spikes. Each, 30c; doz., $2.50; 100, $15.00.
From 4 inch pots, each, 40c; doz., $3.25; 100, $20.00; **by express.**

Mrs. Woodrow Wilson. 4 ft. Green foliage. Charming shade of soft clear crimson-pink. Flowers are large with round, graceful overlapping petals of great substance. Strong grower. Each, 50c; doz., $5.00.
From 4 inch pots, each, 60c; doz., $6.00; **by express.**

Orange Bedder. 4 ft. Green foliage. Bright orange with just enough scarlet suffusion to intensify the dazzling mass of color. A very free bloomer.
Each, 25c; doz., $2.00; 100, $12.00.
From 4 inch pots, each, 35c; doz., $2.75; 100, $18.00; **by express.**

SPECIAL OFFERS

No. 112C. One each of above (8) Cannas from 2½ inch pots for **$2.25, prepaid.**
No. 112D. One each of above (8) Cannas from 4 inch pots for **$3.00, by express.**

SUITABLE PLANTS FOR BORDERS OF CANNA BEDS

Use those marked (a) with green-leaved Cannas; (b) with red-leaved.

(a) Coleus Verschaffeltii and Beckwith's Gem. Plant 8 inches apart. (b) Coleus, Golden Bedder. Plant 8 inches apart (a) Salvias, Fireball and Drooping Spikes. Plant 15 inches apart. (b) Caladium Esculentum. Plant 18 inches apart, (b) Centaurea Gymnocarpa. Plant 8 inches apart. (a) and (b) Pennisetum Longistylum. Plant 8 inches apart.

CANNAS

CANNA BEDS

PLANTING SUGGESTIONS

Before laying out a Canna bed spade the ground two feet deep, mixing thoroughly into the soil enough well rotted stable manure to fill six inches in depth of the whole bed. When ready place a stake in center of the bed and with a radius of eighteen inches mark a line for planting the first row. Set the plants in this row eighteen inches apart. Lengthen the radius eighteen inches for each successive row; plants other than Cannas require different distances. All numbers below represent round beds.

Planting plans will be furnished with each Canna bed ordered.

Culture.—Cannas should be planted about the end of May in good garden soil that has been thoroughly enriched with well rotted stable manure. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants about 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds or borders.

TWO SIZES OFFRED. Prices given first below are for regular FIRST SIZE plants from 2½ inch pots. The next size larger plants are noted as FROM 4 INCH POTS. When not so offered, 2½ inch plants are sent,

The large size from 4 inch will be ready May 15, and will bloom soon.

CANNA BED No. 1—10 ft. across, 37 plants.
7 **Matador.** (For center and first row.)
12 **David Harum.** (Second row.)
18 **Gustave Gompper.** (3rd or outside row.)

		Prepaid	By express
No. 1A.	Price, 37 plants, first size, from 2½ inch pots	$ 8.00	$ 7.50
No. 1B.	Price, 37 large plants, from 4 inch pots.....	11.00	10.00

CANNA BED No. 2—13 feet across, 61 plants.
19 **Florence Vaughan.** (For center and next two rows.)
18 **David Harum.** (Third row.)
24 **Mad. Crozy.** (Fourth or outside row.)

No. 2A.	Price, 61 plants, first size, from 2½ inch pots..	$10.50	$10.00
No. 2B.	Price, 61 large plants, from 4 inch pots.....	13.00	11.50

CANNA BED No. 3—7 feet across, 19 plants.
1 **Yellow King Humbert.** (For center.)
6 **King Humbert.** (First row.)
12 **Firebird.** (Second or outside row.)

No. 3A.	Price, 19 plants, first size, from 2½ inch pots..	$4.75	$4.25
No. 3B.	Price, 19 large plants from 4 inch pots.....	6.75	5.75

CANNA BED No. 4. 10 ft. across, 37 plants.
7 **King Humbert.** (For center and first row.)
12 **Meteor.** (Second row.)
18 **Eureka.** (Third or outside row.)

No. 4A.	Price, 37 plants, first size, from 2½ inch pots..	$ 9.50	$ 8.50
No. 4B.	Price, 37 large plants from 4 inch pots.....	12.50	11.25

CANNA BED No. 5. 7 ft. across, 19 plants.
1 **Florence Vaughan.** (For center.)
6 **David Harum.** (Second row.)
12 **Mad. Crozy.** (Third or outside row.)

No. 5A.	Price, 19 plants, first size, from 2½ inch pots...	$3.50	$3.00
No. 5B.	Price, 19 large plants from 4 inch pots.....	5.25	4.50

CANNA BEDS

IN SOLID COLOR, (not Prepaid).	7ft. Bed 19 Plants	10 ft. Bed 37 Plants	13 ft. Bed 61 Plants
Firebird, First size	$4.00	6.75	$11.00
Firebird, Large size	5.25	7.50	15.75
Yellow King Humbert, First size	3.50	5.60	9.25
Yellow King Humbert, Large size	5.75	7.50	12.25
King Humbert, First size	2.75	5.50	7.50
King Humbert, Large size	4.00	6.75	11.00
Hungaria, First size	4.00	6.75	11.00
Hungaria, Large size	5.25	7.50	15.75
Gustave Gompper, First size	3.50	5.60	9.25
Gustave Gompper, Large size	5.75	7.50	12.25

All Canna plants from two and one-half inch pots offered on this page at "Each" (or single plant) price go prepaid. Larger lots and sizes by express at buyer's expense--except where quoted at special "prepaid" price in opposite column. To estimate postage on two and one-half inch pot plants to different zones, figure on one dozen plants weighing 3 pounds, packed.

STANDARD CANNAS OF LONG-ESTABLISHED MERIT

For prices of Cannas in this section see lower right hand column

Bronze-Leaved Varieties

David Harum. 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.
Leonard Vaughan. 4½ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.
Each, 30c; doz., $2.50. From 4-inch Pots, **each, 40c; doz., $3.25.**

Pink and White Shades-Green Foliage

Venus. 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow. (For other good pinks see **Hungaria** and **Mrs. A. Conard,** on opposite page.)

Crimson and Scarlet Shades, Green Foliage

Beaute Poitevine. 3½ ft. Largest and best crimson.
Chas. Henderson. 4 ft. Crimson flowers. Good bedder. Roots winter well.
Julius Koch. 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals of the most brilliant blood-red.
Each, 35c; doz., $3.00. From 4-inch Pots, **each, 45c; doz., $3.75.**
Matador. 4½ ft. Flowers are of the largest size, the petals being very broad and beautifully rounded. The color is rich scarlet, marbled cerise, very striking.
Each, 35c; doz., $3.00. From 4-inch Pots, **each, 45c; doz., $3.75.**
Meteor. 4 ft. Immense brilliant crimson heads of large round-petaled flowers.
Each, 30c; doz., $2.50; 100, $15.00.
From 4-inch Pots, **each, 40c; doz., $3.25; 100, $20.00.**
Milwaukee. 3½ to 4 ft. A splendid sort with rich deep maroon flowers of great substance.. We find it the darkest of all Cannas.
New Chicago. 4½ ft. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower.
Each, 30c, doz., $2.50; 100, $15.00.
From 4-inch Pots, **each, 40c; doz., $3.25; 100, $20.00.**
The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

Orchid-Flowering Varieties

Burbank. 5 ft. Green foliage. The flowers are gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest a rich canary-yellow.
F. Benary. 5½ to 6 ft. Green foliage. Flowers currant red with orange throat and yellow edge. Early and free bloomer.
Long Branch. 5 ft. The flower resembles a giant flowering Queen Charlotte being bright crimson with wide, irregular border of yellow. It stands the sun equally as well as King Humbert.
Each, 35c; doz., $3.00; 100, $18.00.
From 4-inch Pots, **each, 45c; doz., $3.75; 100, $22.50.**
Louisiana. 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
Wyoming. Bronze foliage. Flowers a beautiful shade of orange.

Yellow and Yellow-Edged Varieties

Florence Vaughan. 5 ft. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.
Dwarf Florence Vaughan. 3½ ft. Identical with Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted red.
Mad. Crozy. 3½ ft. Vermilion, gold border. Old-time popular sort.
Queen Charlotte. 4 ft. Rich orange-scarlet with a broad gilt edge.
Souv. de A. Crozy. 4 ft. The flowers are scarlet-crimson bordered yellow.

PRICES OF STANDARD CANNAS—THIS SECTION.

(Except where noted)	Each	3 for	Doz.	100
First Size, 2½ in. pot plants, prepaid	$0.25	$0.65		
First Size, 2½ in. pot plants, not prepaid			$2.00	$12.00
Large Size, 4 in. pot plants, by express	.35	.85	2.75	18.00

Our **First** or **Mail Order Size** are best for distant points; the larger plants by Exp., quick bloomers, are best for buyers within 250 miles of New York or Chicago.

ROSE PREMIER

VAUGHAN'S ROSES

WE again take pleasure in submitting our revised list of roses, some splendid new American Novelties of approved merit having heen added, and some of tbe older ones discarded. We grow roses for stock purposes only, not for a cut-flower trade. Our bushes are therefore not exhausted by bearing a quantity of flowers and consequently produce stronger wood, whicb is selected for the propagation of our young stock. These are grown under the personal supervision of an expert, are **wintered** in a temperature as low as is essential for tbeir successful culture, and are strong bushy plants, with clean, healthy, well ripened wood.

All orders are handled and packed by experienced bands, and we guarantee safe arrival by express. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are mucb more satisfactorily handled **than from cities less centrally located.**

Ask for our pamphlet, **"How to be Successful With Roses."**

Prices on Roses—Eacb from 2½-inch pots includes prepayment.
Larger lots and size go by express at buyers' expense.

Novelties and New Roses

MME. BUTTERFLY. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold. A free grower and bloomer with large handsome foliage free from mildew.
Price, from 2½-incb, **75c;** 3 for **$2.00;** doz., **$7.50.**

FRANK W. DUNLAP. Bright rose-pink, deeper in tbe center. Flowers full and douhle, averaging 40 to 45 petals to the bloom; opens very freely; a vigorous grower, breaking freely at the hase. Free from spots and mildew.
Price, from 2½-incb, eacb, **75c;** 3 for **$2.00;** doz., **$7.50.**

COLUMBIA. A true pink, deepening as it opens to a glowing pink. A peculiarity of the variety is that the shades all become more intense until fully open. Strong grower, sending up numerous stiff stems of good length with fine foliage free from mildew. From 2½-incb, each, **30c;** doz., **$3;** 4-inch, each, **60c;** doz., **$6;** per 100, **$40;** 5-inch, each, **$1;** doz., **$10.**

PREMIER. A clear pure shade of rose-pink; deep rose-pink in cooler weather. Its freedom of bloom and quick succession of crops makes tbis a most productive variety. Strong grower with breaks coming quickly, producing strong, stiff thornless stems with heavy foliage.
Price, from 2½-inch, eacb, **50c;** doz., **$5.00** ;per 100, **$35.00;** 4-inch, eacb, **75c;** doz., **$7.50.**

LOS ANGELES. Color a flame-pink tones with coral and sbaded with translucent gold at the base of the petals. Strong grower with stems as long as an American Beauty. The flowers are as large as Paul Neyron, forming long and pointed buds; its freedom and continuance of bloom are remarkable.
Price, 2-year dormant, up till May 1st, each, **$1.50;** doz., **$15.00;** 2-year potted plants, ready May 1st, each, **$2.00;** dozr, **$20.00.**

SPECIAL OFFER No. 114C. One eacb of Mme. Butterfly, Columbia and Premier
From 2½ inch plots, postpaid, for **$1 35.**

Choice Hardy Hybrid Tea Roses

Cynthia Fords. A delightfully fragrant large double rose of deep shining pink. It is so free blooming and has such fine long stems. Full and perfect in form.

Gruss an Teplitz. Brilliant red. One of the most prolific bloomers of all.

Kaiserin. One of tbe best white out door rose.

Killarney. The favorite pink rose of America.

Killarney Brilliant. A splendid improvement on the original Killarney in every way. Color much deeper, more petalage and the best of the sports that Killarney has so far produced.

Mrs. Aaron Ward. Orange yellow. We cannot recommend too highly for bedding and cutting.

Ophelia. Color, clear bright salmon often deepening toward golden pink; wonderfully fragrant, witb long pointed buds.

Prince E. C. De Arnberg. Color, scarlet witb deeper shadings, not inclined to turn blue, holding its color as tbe flower lasts. The bud is beavy and pointed, developing into a beautiful full flower of great size and finish. Tbe growtb is heavy and free with thick leathery foliage wbicb is free from mildew or blackspot and is one whicb any one can grow.

Richmond. Scarlet-crimson, pointed buds, and tall, erect stems; bandsome dark foliage. One of tbe most successful and prolific roses for tbe garden.

Sunburst. It rivals Mrs. Aaron Ward, being a ricb coppery yellow of good size and form. It is a strong grower and having long, strong stems, fine for cut flowers.

White Killarney. Pure white. As free-blooming as its pink parent.

W. R. Smith. Altbough not new, this is a most desirable ever-blooming summer rose and as a hedder is without a peer. The flowers are creamy white, shaded pink, and are produced witb the greatest freedom. It makes a beautiful cut flower. This is one of the roses that sbould he in all gardens, large and small.
Price, 2½ inch pots, each, **30c;** doz., **$3.00;** per 100, **$18.00.**
From 4 inch pots, each **60c;** doz., **$6.00** by express.

SPECIAL OFFER. No. 114. One each of above named roses
From 2½-inch pots, postpaid, for **$3.25.**

SPECIAL OFFER No. 114A. One each of above 12 roses
From 4-inch pot, by express, for **$6.50.**

Standard Hybrid Tea Roses

Cardinal. A deligbtfully fragrant red rose of a strong robust bahit, making it a desirahle bedder.

Caroline Testout. Rose pink. A fine garden Rose for cutting.

Cochet Pink. Well known pink bedding rose, deliciously fragrant.
From 4-incb pots, eacb, 50c; doz., **$5.00.**

Cochet White. A pure white of finest fragrance and with the good qualities of its parents; 4-incb pots, each, **50c;** doz., **$5.00.**

Hoosier Beauty. Large full well formed flowers of deep rich crimson with darker shadings to center, very free in growth, mildew proof, and fragrant; fine exhibition and garden rose, described by the raisers as the finest rose.

Jonkheer J. L. Mock. A deep imperial pink, the outside of the petals silvery-rose white flower are of large size and and of perfect form.

My Maryland. A very choice summer rose of a bright salmon pink witb pale edges. It is very free to bloom and remarkably fragrant.

Rhea Reid A remarkably fine Hybrid Tea Rose. A vigorous growing, bearing a profusion of large, full, bright crimson flowers, very fragrant and lasting.
Price, except wbere noted from 4-inch pots, each, **60c;** doz., **$6.00,** by express.

SPECIAL OFFER No. 114B. One eacb of above 8 roses
From 4-inch pots, by express at buyer's expense, for **$4.25.**

Dwarf Polyanthas Roses

Tbese are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more togetber will make a very effective border.

BABY DOLL. An entirely new color. A golden yellow tipped with clear brigbt cerise. Dwarf grower. A splendid bedder.

CECILE BRUNNER. Tbe delicate buds are of perfect form, shading a deep salmon pink and sbowing a rich orange center, turning to a pale flesh eolor when fully open.

CLOTHILDE SOUPERT. Pearly white, shading to pure rose-pink. Being the introducers we take pride in having select stock that will bloom continually during tbe summer.

ECHO. A soft pink wben opening, changing to light pink when fully open, individual flowers measuring 2 inches across.

GEORGE ELGER. A dainty little pointed yellow bud, opening into a golden yellow.

VAUGHAN'S WHITE BABY RAMBLER. Pure snow white flower about one inch in diameter. The foliage is dark and glossy and finely cut.
Price, 2½-inch pots, each, **25c;** doz., **$2.50;** per 100, **$15.00;**
From 4-incb pots, eacb, **50c;** doz., **$5.00.**

SPECIAL OFFER No. 114D. One eacb of above roses
From 2½-incb pots, postpaid, for **$1.35.**

SPECIAL OFFER No. 114E. One each of above roses
From 4-inch pots, by express at buyers expense for **$2.75.**

Vaughan's "Bargain" Collection of Roses

Ready after MAY 20th, 1920.

No. 114D ....10 plants....2½ inch pots....10 varieties for $2.00 postpaid
No. 114E ....10 plants....4 inch pots....10 varieties for 4.50 by express

CLIMBING ROSES

THE demand for climbing roses bas always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, witb the result that year after year improved forms are being presented for awards before various committees of the keenest judges, but it would be impossible for us to list all that bave gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it bas done for hundreds of years. For twenty years our greenhouses have specialized on all these beautiful climbers, and here we offer "all the best."

Note.—The abbreviations used in some of the following descriptions denote:
(C. P.) — Climbing Polyanthus-flowered; flowers double or semi-double.
(Cl. H. P.)—Climbing Hybrid Perpetual.

Where dormant roses are offered they can be supplied up to May 1st. After that date we can only supply potted plants as offered.

CLIMBING AMERICAN BEAUTY (Cl. H. P.) A free climber of excellent habit. Strong and vigorous in growth, making heavy canes from 10 to 15 feet in a single season. Rosy-crimson flowers, produced freely in June and occasionally throughout the season. Very fragrant. 5 incb pots, **each $1.00.**

Climbing Clothilde Soupert (Cl. Tea). It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer Flowers are large, double and a beautiful shell pink, forming the buds in clusters.
Price, 2½-incb, **each 30c,** doz., **$3.00;** 4-incb pots, **each 60c;** doz., **$6.00;** 5-inch pots, each, **75c;** doz., **$8.00.**

Climbing Mme. Cecile Brunner (Cl. Tea). The blooms are semi-double, bright rose in the center, shading off to pale pink at the edge, and have a delightful fragrance. We can tborougbly recommend this rose.
Price, 2½ incb, eacb, **30c;** doz., **$3.00;** 4-incb pots, each, **60c;** doz., **$6.00;** 5-incb pots, eacb, **75c;** doz., **$8.00.**

CRIMSON RAMBLER (C. P.). This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very bardy and a strong grower.

DOROTHY PERKINS (C. P.). The most popular climbing rose of today, and as bardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and bolds a long time without fading.
Price, 2-year dormant, each, **75c;** doz., **$8.00;** 2-year potted plants, eacb, **$1.00;** doz., **$10.00.**

DOCTOR VAN FLEET (C. P.) One of tbe newer type of climbers which combines absolute bardiness with flowers large as the tender sorts of Tea and Noisette class. This variety shows a mass of beautiful clustered buds, which open out into large, shapely flowers; delicate flesh white.

PAUL NEYRON

EXCELSA (C. P.). A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet.
Price, 2-year dormant, eacb, **75c;** doz., **$8.00;** 2-year potted plants, eacb, **$1.00;** doz., **$10.00.**

Flower of Fairfield (C. P.). Of tbe numerous varieties raised in tbe past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more lasting and brilliant than the Crimson Rambler. The growtb is vigorous, flowering freely and continuously throughout the season.

GOLDFINCH (C. P.) The best yellow rambler to date. Flowers large, semi-double, in full clusters; a rich, lemon yellow.

Marechal Niel (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the soutb and on the Pacific Coast). For tbe walls of a vinery or pillars this is a magnificent rose.
Price, 2½-inch, **30c;** doz., **$3.00;** 4-inch pots, each, **60c;** doz., **$6.00;** 5-incb pots, **$1.00;** doz., **$10.00.**

PINK RAMBLER (Count Zeppelin) (C. P.) The color of tbis new hardy climbing rose is of a most brilliant pink, witb fiery reflex. Tbe plants are very strong perfectly hardy and very free blooming, and, to a certain extent, overblooming; that is, they will produce flowers after the main crop is gone.

ROSERIE (C. P.) This splendid new Rose is a Sport from tbe well known Tausendsebon, baving the same vigorous growtb, clean foliage and free blooming qualities. Its flowers are a deep glowing pink.

TAUSENDSCHON (C. P.). This beautiful variety surpasses all other climbing roses of this section, botb in growth, foliage and beauty of blooms. Tbe flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine.

WHITE DOROTHY (C. P.). This beautiful rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white. Already a universal favorite.
Price, 2-year dormant, each, **75c; doz., $8.00;** 2-year potted plants, eacb, **$1.00;** doz., **$10.00.**

Prices, except where noted; 2-year dormant, eacb, **$1.00;** doz., **$8.00;** 2-year potted plants, each, **$1.25;** doz., **$12.00.**

SPECIAL OFFER No. 115A. One eacb, Crimson Rambler, Dorotby Perkins, Excelsa and White Dorothy Perkins in 2-year dormant, up to May 1, by Exp. for **$3.**

A SPRAY OF DOROTHY PERKINS

VAUGHAN'S UNRIVALED COLLECTION OF HARDY ROSES

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure, or leaves is very advantageous, and necessary around Chicago. Masses of these roses may be grouped in separate colors in garden beds or borders with very striking effect, and for decorative cut bloom, though tbey do not possess all the delicate tints found in the Hybrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of their grand size and form.

The roses offered bere are budded low on Mannetti or Dog rose stocks and are generally known as grafted roses, Plant so tbat the graft is three inches below the surface of the ground. Early Spring planting is essential.

ALFERD COLOMB. Extra large red flowers, very free blooming.

AMERICAN BEAUTY. This is tbe queen of all roses, being extra large, full and fragrant. The color is a fine deep pink shaded toward the center a carmine crimson.

ANNA DE DIESBACH. Very showy and large, pointed buds, a beautiful shade of carmine. A strong grower.

BARON DE BONSTETTIN. Rich, dark red passing to deep velvety maroon, double and full.

CLIO. Flesh color shaded to center witb rosy pink, a vigorous grower with fine foliage and abundance of bloom.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

George Arends. Beautiful clear light pink, fine, moderately full flower. Free-blooming, vigorous and fine for cutting, baving excellent lasting properties.

HUGH DICKSON. Brilliant crimson shaded scarlet, large smooth petals, slightly reflexed on the edges. Very fragrant and vigorous. One of the most desirable sorts.

C. B. CLARK. Growth is vigorous and upright. Blooms are large and beautifully formed; color intense scarlet, strongly fragrant.

JOHN HOPPER. A grand rose of a brilliant crimson, bearing large solid flowers which are remarkable for tbeir fragrance and freedom of bloom.

MABEL MORRISON. An attractive rose with pure white, perfectly formed flowers of large size.

MARSHALL P. WILDER. A grand rose of large full flowers of a brigbt carmine red.

MRS. JOHN LAING. Large popular rose, bright shining pink in color with long stiff stems. A very free bloomer.

PAUL NEYRON. An immense rose of a deep rose color. It has excellent foliage and is a very strong grower.
Prices, 2-year dominant, each, **75c; doz., $8.00;** 2-year potted plants, each, **$1.00; doz., $10.00.**

SPECIAL OFFER No. 115B. One each of above 14 roses dormant, postpaid up to 5th zone, **$10.00**

SPECIAL OFFER No. 115C. One eacb of above 14 roses, potted plants, by express at buyer's expense for **$12.50.**

RUGOSA ROSES

Very ornamental. Form bushes 5 to 6 ft. high, covered with masses of large single and semi-double flowers. The foliage is deep glossy green, entirely free from mildew, and insect pests, the entire bushes having the appearance of flowering shrubs of exquisite sbape and beauty. During winter tbe red seed-pods or 'berries' are very handsome.

Blanche Double de Coubert. A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free blooming and almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting.

Covin Tree (new). A fine delicate pink turning to white as the flowers are fully developed. Semi-double. Strong and vigorous grower. 2 year dormant plants; each, **75c postpaid;** doz., **$8.00.**

GRANDE DUKE ALEXIS

DAHLIA PLANTS

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trials last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

We offer all **Green plants,** with the exception of those also offered in roots. **Contrary to public opinion we maintain that Dahlia plants are always superior to dry roots, and are willing to take the responsibility of recommending them.**

While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th,** but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Full cultural directions accompany every order.

Please state if you want a substitute if our supply of any is exhausted.

Prices. All Dahlias listed on this page, each and dozen price include prepayment. Larger lots by Express at Buyer's expense.

NEW AND CHOICE DAHLIAS

ATTRACTION. (Peony). Very large perfect and full flowers of a clear lilac rose. A rare color; producing fine flower steams. **Price,** each, $1.25; doz., **$12.00.**

BIANCA. (Peony). Lilac-rose; very free flowering and a wonderful variety for cut flowers. **Price,** each, **75c;** doz., $8.00.

HOCHSAI. (Decorative.) A clear golden-orange, darker shaded in center; very free flowering, early. **Price,** each, **75c;** doz., $8.00.

KALIF. (Cactus). Pure scarlet. A true majestic flower frequently measuring 8 to 10 inches in diameter, strong grower. **Price,** each, **$1.50;** doz., $15.00.

KING OF AUTUMN. (Decorative). An entirely new shade of buff yellow suffused with orange. The color is unique, flower and foliage of vigorous constitution. A splendid exhibition bloom. **Price,** each, **$1.00;** doz., $10.00.

MRS. D. FLEMING. (Cactus.) A large graceful pure white, petals long and tubular. Very popular variety. **Price,** each, **$1.00;** doz., $10.00.

MRS. WARNAAR. (Peony). Clear white with soft pink reflex; very free flowering; has the type of a cactus dahlia. **Price,** each, **$1.50;** doz., $15.00.

YELLOW KING. (Cactus). One of the finest Peony Dahlias ever shown, clear yellow, and large elegant flowers on long stiff stalks. Each, **$1.00;** doz., **$10.00.**

SPECIAL OFFER No. 116. One each of the above 8 varieties for **$8.00,** postpaid.

VAUGHAN'S SELECTION of EARLY FLOWERING

Prices except where noted, **each 25c; dozen $2.50.**

We have tried the following varieties and recomend them as earliest flowering in our collections.

A. D. Livoni. (show). A beautiful soft pink flower with quilled petals.

Countess of Lonsdale. (Cactus). A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best.

Crimson Giant. (Decorative). Deep crimson flowers of immense size.

Holsatia (Cactus). Orange scarlet.

Jack Rose. (Decorative). A rich velvety crimson. **Price,** each, **35c;** doz., **$3.00.**

Mrs. Henry R. Wirth. (Cactus). A rich glowing intense scarlet Countess of Lonsdale. Each, **35c;** doz., **$3.00.**

Pink Century. (Single). Delicate soft pink.

Sylvia. (Decorative). White shading to soft pink on the outer petals.

Wm. Agnew. (Decorative). Intense, dazzling red. **Price,** each, **35c;** doz., **$3.00.**

Yellow Duke. (Show). Pure canary yellow, large size flowers on good stiff stems.

SPECIAL OFFER No. 116A. One each of above 10 Dahlias for **$2.50,** postpaid.

CACTUS VARIETIES

Charles Clayton. Color is a most intense red. **Price,** each, **25c;** doz., **$2.50.**

COUNTRY GIRL. Large flowers, perfect form; golden yellow suffused with salmon rose and autumn tinted bronse; free bloomer. Each, **25c;** doz., **$2.50.**

FLAMINGO. Beautiful clear brilliant vermilion. **Price, each 35c; doz., $3.00.**

Flora. Ideal white with large flowers on stout stiff stems. **Price,** each, **25c;** doz., **$2.50.**

JULIET. Rose pink, tinting lighter toward the center; **very large with long** incurved petals. **Price,** each, **35c;** doz., **$3.00.**

MARJORIE CASTLETON. The best standard pink cactus Dahlia. **Very delicate** pink, tinting lighter towards the center. **Price,** each, **35c;** doz., **$3.00.**

Rheinkonig. Pure snow white flowers of splendid form, 5 inches and over in diameter. **Price,** each, **35c;** doz., $3.00.

RICHARD ROSE. A superb yellow, of large size and form. Price, each, **50c;** doz., **$5.00.**

SUNSET. The best of the bronzy autumn shades. Yellow at base, shading to bright apricot; full and free with stiff stems. **Price,** each, **50c;** doz., **$5.00.**

WHITE SWAN. A beautiful pure white, long graceful stem. Each, **25c;** doz., **$2.50.**

SPECIAL OFFER No. 116B. One each of above 12 Dahlias for $3.25, postpaid.

DECORATIVE

Prices, except where noted, each, **35c;** doz., **$3.00.**

AUTUMN GLORY. A soft golden terra cotta color that is rich and pleasing by daylight and very lovely under artificial light.

Coronna. A pure white, usually from 2½ to 3 inches in diameter, free flowering.

CHATENAY. Like the rose of that name. Beautiful soft pink and yellow reflex.

David Harum. Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7-in. across. Thick, wide petals, full to the center.

Delice. The finest pink Decorative Dahlia. Its beauiful soft, yet lively color, a glowing rose-pink, borne on long stiff stems. Valuable as a cut flower.

Grand Duke Alexis. Pure white shading to a most delicate and charming shell pink. Beautifully quilled and double. **Price,** each, **50c;** doz., **$5.00.**

Henry Patrick. A pure waxy white. blooms very freely, flowers 5 to 7 in. in diameter.

Jeanne Charmet. Bright pink with crimson edges. Flower 7 to 8 in. in diameter.

LE GRAND MANITOU. Striped and splashed purple on a deep rose colored ground. Flowers of enormous size and perfect form. **Price,** each, **50c;** doz., **$5.00.**

MRS. ROOSEVELT. Of immense size and remarkably free flowering; color a delicate silver rose. **Price,** each, **50c;** doz., **$5.00.**

Mrs. Chas. Turner. Pure yellow. A strong grower and profuse boomer.

MINA BURGLE. Flowers of gigantic size and remarkable beauty. A most glowing brilliant scarlet. **Price,** each, **50c;** doz., **$5.00.**

Mrs. J. C. Vaughan. Lovely bright clear yellow flowers, long stalks, flowers are large and very attractive. **Price,** each, **50c;** doz., **$5.00.**

Princess Juliana. A fine white, large and splendid form. Early and free flowering. Strong stems. Fine for cutting. **Price,** each, **50c;** doz., **$5.00.**

Queen of Yellows. A beautiful clear color.

SPECIAL OFFER No. 116C. One each of the above 15 Dahlias, **$5.75** postpaid.

SHOW AND FANCY DAHLIAS

Price, except where noted, each, **25c;** doz., **$2.50.**

Show Dahlias are usually of solid color but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

DOROTHY PEACOCK. Large perfect shaped flowers of a bright sea-shell pink color, very early and continuous blooming.

DREER'S WHITE. Glistening white, resembling in form Grand Duke Alexis, while in freedom of flowering it is not surpassed by any. **Price,** each, **50c;** doz., **$5.00.**

MAGNIFICENCE. Pink shaded to sulphur.

Red Head. Deep red, large flowers, of dwarf, free blooming head.

ROBERT BROOMFIELD. Pure white; an old variety but very good.

STRADELLA. Rich deep purple crimson; very free flowering; long stems.

W. K. WILLIAMS. Quilled, red, very attractive.

W. W. RAWSON. Pure white, overlaid with amethyst-blue.

SPECIAL OFFER No. 116D. One each of the above 8 Dahlias, **$2.25,** postpaid

PEONY-FLOWERED

Prices, except where noted, each, **35c;** doz., **$3.00.**

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beauriful as they are odd.

GEISHA. Orange-red with yellow center and yellow on edges.

INSULINDE. Most beautiful golden orange, very large flower, each, **50c;** doz., **$5.00.**

Jan Olieslayers. Deep primrose yellow.

KING ALBERT. Dark violet, perfect flower on graceful tall stem, each, **50c.**

MADAM VAN BETSTEIN. Rosy lilac changing to light blue.

MADAM VAN LOON. Orange with brick red shade; very free flowering.

Queen Emma. A charming shade of hollyhoek-pink, the inner petals margined with gold. A very large and maginficent sort.

STERNA. Cream color; tall stems and very free flowering.

SPECIAL OFFER No. 116E. One each of the above 8 Dahlias, **$2.75,** postpaid.

POMPON DAHLIAS

Price of the following varieties, each, **25c;** doz., **$2.50.**

Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for buquets and their range of color is as great as any of the preceding classes.

CARDINAL. Red; very good.

Elegante. Bright pink flowers of perfect form with beautiful quilled petals.

JANET. Salmon-orange, extra fine variety.

Little Herman. Deep red, tipped white.

WHITE ASTER. Very dainty, clear white; one of the best pompons.

SPECIAL OFFER No. 116F. One each of the above 5 Dahlias for **$1.00,** postpaid.

SINGLE DAHLIAS

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.

Gold Standard. Pure yellow flowers borne on long, graceful stems.

Maroon Century Beautiful, rich maroon, large yellow center. Erect, free flowing.

Praxiteles. Velvet purple, tipped white.

Pres. Viger. Rich claret.

Scarlet Century. Brightest dazzling scarlet, golden dise. Immense flowers of fine round form, very profuse in flowering. **Price,** each, **25c;** doz., **$2.50.**

SPECIAL OFFER No. 116G. One each of the above 5 Dahlias for **$1.00,** postpaid

DAHLIA ROOTS

Unnamed Double Dahlias. Undivided field clumps in white, pink, yellow or red; good sorts. **Each, 35c; doz., $3.00, by exp.**

Mixed Single and Double Dahlias. Undivided field roots. **Each, 25c; doz., $2.50, by exp.**

Mixed Double Dahlias. Undivided field clumps. **Each, 25c; doz., $2.50, by exp.**

BAY TREES

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped

Stem	Crown	Price Each	Stem	Crown	Price Each
26 to 30 inch	30 to 32 inch	$16.00	48 inch	40 to 42 inch	$34.00
34 to 36 inch	24 to 26 inch	15.00	48 inch	46 to 48 inch	40 00
45 to 48 inch	32 to 34 inch	22.50			

BOX TREES

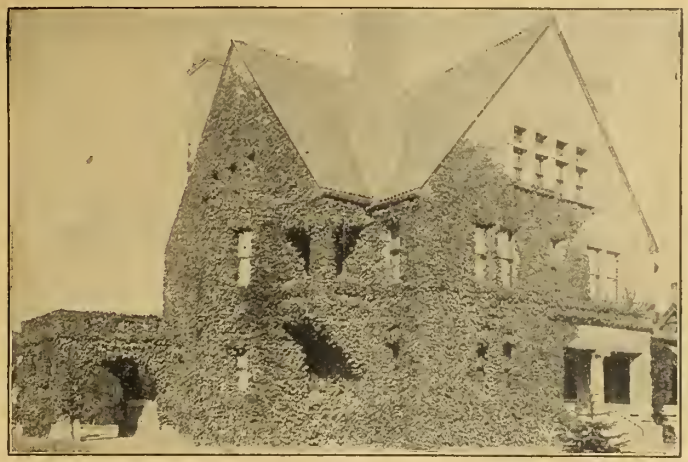
Sheared into compact shape, these Box trees make beautiful specimen plants in any form, and can be used for all decorative purposes like the Bays, but at less expense.

Pyramidal Shaped

42 inches high.....Each, $8.50 48 inches high.....$9.50

Hardy Climbing Vines

CLEMATIS PANICULATA



AMPELOPSIS

WISTARIA

AMPELOPSIS VEITCHII (Boston Ivy)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. **Prices,** 3 yr., **each, 75c; 3 for $2.10; doz., $8.00.**

Pot Grown. For late planting (Ready June 1st). **Prices, each, $1.00; doz., $10.00.**

Akebia Quinata Vine. A beautiful hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2 year, **each, 60c.**

Ampelopsis Engelmannii. (Engelman's Ivy.) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2 yr., **50c;** 3 yr., **60c.**

Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2 yr., **50c;** 3 yr., **60c.**

Aristolochia Sipho. (Dutchman's Pipe). Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 year, **each, 75c.**

Bignonia Radicans. (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr., **each, 50c.**

Celastrus Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 yr. vines, **each, 60c.**

CLEMATIS

JAPANESE CLEMATIS (Clematis Paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. Easiest to grow and most popular of all the smal flowered vines.

PRICES. By Mail Postpaid.		PRICES. By Express, at Buyers Expense			
Age	Each	Age	Each	Age	Each
2-year	$0.65	2-year	$0.60	4-year, ex. heavy	$1.00
3-year	.85	3-year	.75	3-year, pot grown	1.00

LARGE FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

Duchess of Edinburgh. One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant.

Henryi. (Bangholm Belle.) Strong grower, flowers always eight-sepaled, 4 to 6 in. in diameter and pure white. Very hardy.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

Madame Baron Veillard. Light rose, lilac shadings. Much admired.

Ville de Lyon. Its blooming capacity is great and the flowers are of the most magnificent brilliant crimson; they are large and of beautiful circular form. Prices of above, 2 year, **each, $1.00.**

Gold Medal Collection. One 2 year old root, each, Jackmanii, Duchess of Edinburgh and Ville de Lyon, **$2.75.**

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral red; blooms from June until frost. 2 yr., **each 75c.**

Crispa. Fine, deep blue, with a white border and deliciously fragrant. 2 yr., **each 75c.**

EUONYMUS RADICANS

An evergreen shrub of a climbing or trailing habit. Valuable for covering fences or training against walls with Northern aspect. Also looks well on embankments or climbing over rock work. 2-year, **each, 50c;** 3-year, **each, 75c.**

EUONYMUS RADICANS VEGETUS

(Large-leaved trailing Euonymus)

This is a most valuable ground-covering evergreen plant, with rich deep green foliage, thriving in partial shade or under trees where grass and other plants fail. It is also our best hardy evergreen vine, retaining its foliage through the Winter, even when exposed to the sun. 2 year, **each, 60c;** 3 yr., **85c.**

HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Readers are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved). Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly). One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

Fuchsioides. (Scarlet Trumpet or Sempervirens). Fuchsia-like scarlet flowers, very free and beautiful. 2-year only.

Heckrottii. (New Sweet Scented). Remarkable for large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

HALL'S JAPANESE HONEYSUCKLE (Lonicera Halleana)

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloomer of all. Prices of above varieties: 2-year, **60c;** 3-year, **75c.**

KUDZU VINE (Pueraria Thunbergiana)

or Jack-and-the-Bean-Stalk-Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and wooly. Fine for porches, arbors, old trees, etc. Strong roots, **each 5c; doz. $5.00.**

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-yr., **each 60c.**

VITIS

Wild Grape Vine. We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of stumps, arbors, etc.

Price, 2-yr., **each, 50c;** 3-yr., **60c.**

WISTARIA MAGNIFICA

A strong, rapid-growing vine with light green compound foliage of an evergreen nature and purple lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the foliage. 2-yr., extra strong, **60c;** 3 yr., extra strong, **75c;** 4-yr., extra strong, **$1.00.**

ORNAMENTAL and FLOWERING SHRUBS

BERBERIS THUNBERGII—Japanese Barberry

SHIPPING DIRECTIONS. Shrub orders amounting to $5.00 and over and mixed orders, part shrubs and trees, amounting to $8.00 include prepayment either by express or freight, within limits of Chicago, otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R.R.), two blocks South of 47th Street, the continuation of East Boulevard.

The Planting Season is limited by climatic conditions and by the stage of growth of the trees and plants. In Spring the planting season begins as soon as the frost is out of the ground sufficiently to permit digging, and continues until about June first. Toward the last of the summer the evergreens are the first to complete their growing season, and are usually ready for transplanting by the end of August. Deciduous trees and plants may be moved as soon as the leaves have performed their functions, which is generally at the time of the first frost in the fall, about the middle of September. The fall season lasts until the ground becomes frozen too hard to allow digging, about December first.

A denotes shrubs which attain 9 to 12 feet in height at maturity.
B denotes shrubs which attain 5 to 8 feet in height at maturity.
C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Non-Warranty. Most of the failures with trees and plants are due to improper planting, unfavorable soil or weather conditions, or other causes beyond the control of the nurseryman. Beyond the guarantee that all stock is in a live and healthy condition when it leaves our hands, we give no warranty as to description, quality or productiveness of any of the trees, plants, bulbs or seeds that we send out, nor will we be in any way responsible for the results obtained through their use. Every order for articles named in this catalogue will be executed under these conditions only. It is obvious, however, that we can afford to send out only such stock as will not only grow well, but prove true to name and description.

ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 10 o a kind.

Each	10	Each	10
40c	$3.50	70c	$6.50
45c	4.00	75c	7.00
50c	4.50	80c	7.50
55c	5.00	85c	8.00
60c	5.50	$1.00	8.50
65c	6.00		

Less than 5 plants of a kind will be charged at the **Each** rate.

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

No Trees, Shrubs or other perishable stock are sent C. O. D.

Ask for Pamphlet **"Planting Suggestions"** Useful advice **Free**

A VIEW OF OUR NURSERIES

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early flowering shrubs, blooming in early spring.
Double Pink or Double White, bushy, 2 to 3 ft., **$1.00;** 3 to 4 ft., **$1.25.**

ALTHEA FRUTEX (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. It requires protection and should be planted only in the spring.
Double White, Pink or Red, extra bushy, 2 to 3 ft., **60c;** 3 to 4 ft., **75c.**
Single Blue, 2 to 3 ft., bushy, **60c.**

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.

Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 3-year, **60c.**

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Pentaphylla. (B). A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five-lobed.
Extra bushy, 2 to 3 ft., **65c;** 3 to 4 ft., **85c.**

Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 2 to 3 ft., **65c.**

BERBERIS (Barberry)

The following varieties are all **"safe"** ones. Only the Vulgaris, green-leaved and purple-leaved, are harmful as declared by the U. S. Department of Agriculture.

Heteropoda. A handsome and very distinct species. Flowers orange-yellow and fragrant. The foliage is a beautiful dark blue and has a glaucous bloom covering. A really beautiful shrub. Grows 3 to 6 ft. high. A comparatively recent introduction. 2½ ft., **75c.**

Ilicifolia. (Holly-leaved Barberry). (B). The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly.
2 to 2½ ft., **$1.25;** Specimens 3 ft., **$1.50.**
These prices are for stock with ball of earth and burlapped.

Thunbergii. (Japanese Barberry.) (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color.

Age	Height	Each	100
2-year	12 to 15 in.	$0.40	$18.00
3-year	18 to 24 in.	.65	30.00

BOX - BARBERRY

The New Hardy Edging and Dwarf Hedge

A dwarf, upright form of the familiar Berberis Thunbergii; it is perfectly hardy, thriving wherever Berberis Thunbergii grows. **It does not** carrry wheat rust.

Box-Barberry lends itself most happily to low edgings for formal gardens, when set about four inches apart. It also makes a beautiful low hedge when set 6 to 8 inches apart. The foliage is light green, changing in autumn to dazzling red and yellow. We offer one-year field plants, each, **30c;** 10 for **$2.75;** per 100, **$22.50.**

PLEASE NOTE: We cannot accept Orders for Nursery Stock for less than $1.00. Cost of labor and material having doubled since 1918, we cannot afford to handle orders for smaller amounts.

BUDDLEYA VARIABILIS VEITCHIANA (Summer Lilac) (B)

A very pretty shrub of spreading pendulous habit, bearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular lilac-colored flowers. Awarded First Class Certificate R. H. S., London. Strong plants, 2 yr., **60c.**

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pineapple fragrance. They bloom in June and throughout the summer. 2 to 3 ft., bushy, **75c.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for waterside planting, especially when fully exposed to the sun. 2 to 3 ft., **75c.**

CERASUS (Flowering Cherry) (A)

With but a few exceptions there are none of the Spring flowering shrubs that excel these in beauty when covered with their wealth of blossoms. Plant them around the lawn, near walks, or other conspicuous places where they can be admired by everybody.

Serotina. (Wild Black Cherry). A shrub or small tree, covered with white blossoms in spring, in long loose racemes; purplish-black fruit in autumn. Long narrow leaves. Specimens, 3 to 4 ft., **65c;** 6 to 7 ft., **$1.50.**

CHIONANTHUS VIRGINICA (White Fringe Tree) (A)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against Evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 feet. 3 to 4 ft., **85c.**

CORCHORUS (Kerria) (B)

(The Globe Flower or Japanese Rose)

Japonicus. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ ft., extra bushy, **85c.**

Japonicus Argentea Var. (B) A pretty dwarf variety with small, green foliage, edged white, slender grower. A valuable dwarf shrub. 1 ft., extra bushy, **85c.**

Japonicus Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1½ ft., extra bushy, **85c.**

CORNUS (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition, to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and waterside planting.

Alternifolia. (Blue Dogwood.) (B.) A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., bushy, **75c.**

Mascula. (Cornelian Cherry.) (B.) One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries. 3 to 4 ft., **85c.**

Sanguinea. (Red-branched Dogwood.) (B.) Very conspicuous and ornamental. Bark in winter blood-red.
2 to 3 ft., extra bushy, **50c;** per 100, **$30.00;** 3 to 4 ft., extra bushy, **65c;** per 100, **$40.00.**

Sibirica. (Siberian Red Osier.) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy. 2 to 3 ft., **60c;** 3 to 4 ft., **75c.**

Stolonifera Aurea. (Golden-twigged Osier.) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy.
2 to 3 ft., extra bushy, **65c;** 3 to 4 ft., extra bushy, **80c.**

CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard.
4 to 5 ft., extra fine, **$2.25;** 5 to 6 ft., Specimens, **$4.00** to **$5.00;** 6 to 7 ft., Specimens, **$6.00** to **$10.00.** **(See also Malus Floribunda.)**

CRATAEGUS (Hawthorn)

Carrieri. Foliage dark, glossy green; fruit large, dark red, showy and hangs to tree long into the winter. 4 to 5 ft., **$1.00.**

Crus Galli. (Cockspur Thorn.) (C.) A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. Specimens, 5 to 6 ft., **$2.00.**

CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) (B.) A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 2 to 3 ft., extra bushy, **60c;** 3 to 4 ft., extra bushy, **85c;** Specimens, 4 to 5 ft., **$1.00** to **$1.50.**

Make Your House a Home

Don't imagine your house is finished when the plumber has finished—then commences the work of converting it into a comfortable, picturesque home for your family. Trees and shrubs play a big part in accomplishing this.
Plant this year if possible.

HYDRANGEA PANICULATA GRANDIFLORA

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, **60c.**

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Gracilis. (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 1 ft., **60c.**

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit.
3 to 4 ft., extra bushy, **75c;** Specimens, 4 to 5 ft. **$1.00** to **$1.50.**

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush). (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn.
2 to 3 ft., extra bushy, **$2.00;** 5 to 6 ft., Specimens, **$4.00** to **$5.00;** 6 to 7 ft., Specimens, **$8.00** to **$10.00.**

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago Parks. They should be planted where they will receive the full benefit of early spring sunshine.

Intermedia. Flowers bright yellow, glossy green foliage.
2 to 3 ft., extra bushy, **60c;** 3 to 4 ft., extra bushy, **75c;** per 100, **$50.00;** 4 to 5 ft., extra bushy, **$1.00.**

GUELDER ROSE. See Viburnum Sterile.

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, blooming often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. One of the best for autumn bloom.
2 to 3 ft., **50c.**

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn. Good for embankments or bluffs near the sea shore.
2 to 3 ft., bushy, **60c.**

HYDRANGEA

ARBORESCENS GRANDIFLORA "SNOWBALL" (C)

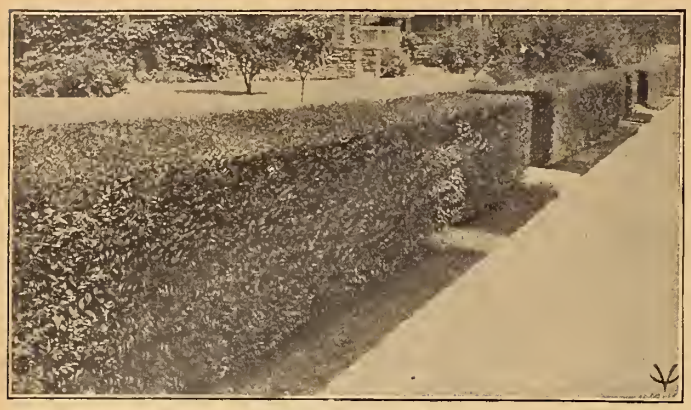
This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade.
2-yr., bushy, **75c;** 3-yr., bushy, **85c.**

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.
2-yr., bushy, **60c;** 3-yr., bushy, **75c.**

(Tree Form) (A)

These plants have a clear stem, with a bushy top, making a grand show when in flower. Extra selected. 2 ft. stem, **$1.00;** 2½ ft. stem, **$1.25.**



PRIVET HEDGE

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and herries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Amurense. (Amoor Privet.) **(B)** A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the East, but unlike it here in that the Amoor is hardy.
2 to 3 ft., extra bushy, **40c**; per 100, **$25.00**; 3 to 4 ft., extra bushy, **50c**; per 100, **$35.00.**

Ibota. (Chinese Privet.) **(B)** A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens. 2 to 3 ft., extra bushy, **40c**; per 100, **$25.00**; 3 to 4 ft., extra bushy, **50c**; per 100, **$35.00**; 4 to 5 ft., Specimens, **$1.25.**

Ovalifolium. (Californian Privet.) **(B).** Large, broad leaves, and one of the best of all Privets hut not hardy in vicinity of Chicago. Those residing in southern states should use it. (Best planted in Spring).
2 to 3 ft., bushy, **40c**; per 100, **$20.00.**

Regelianum. (Prostrate Privet.) **(B)** This beautiful graceful Privet is ahsolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 2 to 3 ft., extra bushy, **40c**; per 100, **$25.00.**

LILAC (True Syringa) (B)

Alphonse Lavalle. A variety hearing beautiful double flowers of a rare blue color. 2 to 3 ft., **75c.**

Bertha Dammann. Magnificent pure white flowers. 3 to 4 ft., **$1.00.**

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 2 to 3 ft., **75c.**

Doyen Keteleer. Very large pale lavender spikes. Very fine. 3 to 4 ft., **$1.25.**

Emodi. Of compact growth with beautiful, large, leathery leaves, flowers light lilac, blooms in June. 2 to 3 ft., **75c.**

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through blooming.
2 to 3 ft., **60c**; tree form, 4 to 5 ft., **$1.50.**

Jeanne d'Arc. Large panicles of pure white flowers. 3 to 4 ft., **$1.00.**

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 2 to 3 ft., **60c.**

Jules Ferry. Double, broad voluminous spike, full wrinkled flowers, silvery mauve, buds carmine rose. Late flowering variety. 3 to 4 ft., **$1.00.**

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong hushes. 2 to 3 ft., **75c**; 3 to 4 ft., **$1.00**; 4 to 5 ft., **$1.50.**

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 2 to 3 ft., **75c**; 3 to 4 ft., **$1.00.**

Michael Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 2 to 3 ft., **75c**; 3 to 4 ft., **$1.00.**

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 3 to 4 ft., **75c**; 4 to 5 ft., **$1.00.**

President Grevy. Flowers double, large handsome blue trusses. 3 to 4 ft., **$1.00.**

Souvenir de Louis Spath. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers.
2 to 3 ft., **75c**; 3 to 4 ft., **$1.00.**

Vulgaris Purpurea. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good. 3 to 4 ft., extra bushy, **75c**; 4 to 5 ft., extra bushy, **$1.00.**

Vulgaris Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes, 3 to 4 ft., **75c.**

LILACS ON OWN ROOTS

These have a great advantage over the usually offered budded stock. They are much longer lived, improve in beauty each year and they withstand our severest winters. We offer the following varieties in finely shaped, well rooted specimens:

Charles X, the best purple lilac; **President Grevy, Souvenir de Louis Spath, Mme. Lemoine.** 2 to 3 ft., **$1.50**; 3 to 4 ft., **$1.75.**

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, hut more effective results may be obtained by planting at the top of retaining walls or steep hanks and allowing the graceful stem to fall over.

Barbarum. 2 year, **60c.**

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, with showy flowers and bright herries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of hluish green, about an inch long. Flowers rosy pink, fragrant, blooming in late spring or early summer. Berries very large, vinous-red, with a glaucous hloom. Well adapted for rock gardens. 2 to 3 ft., bushy, **60c.**

Morrowii. (Japanese Bush Honeysuckle) **(B).** A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by hrilliant red berries.
2 to 3 ft., extra bushy, **60c**; 3 to 4 ft., **85c.**

Tatarica Tartarian (Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

Tatarica Alba (White Tartarian) **(B).**
2 to 3 ft., extra hushy, **60c**; 3 to 4 ft., extra bushy, **85c.**

Tatarica Rosea (Pink Tartarian) **(B).**
3 to 4 ft., extra bushy, **85c**; 4 to 5 ft., extra bushy, **$1.00.**

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries that remain until winter. Bright crimson autumn foliage. 2 to 3 ft., **75c.**

Atrosanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 4 to 5 ft., **$1.00.**

Floribunda (Flowering Crab.) Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring-flowering shrubs. 4 to 5 ft., **$1.00.**

Niedzwetzkyana. Handsome pinkish white flowers, grand variety.
5 to 6 ft., **$1.25.**

Scheideckeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 3 to 4 ft., **$1.00.**

MATRIMONY VINE—See Lycium.

MORUS (Mulberry)

Tatarica. (Russian) **20 to 25 ft.** Hardier in the northwest than all others. 3 to 4 ft., **50c**; **4 to 5 ft., 75c.**

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B). New. The flowers are large, white, very sweet and produced in such profusion that their weight hends the long slender hranches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 2 to 3 ft., bushy, **75c.**

Bouquet Blanc. Double or semi-double flowers; very floriferous.
3 to 4 ft., bushy, **75c.**

Grandiflorus (A). (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to he in every garden, no matter how small. Flowers are pure white, very large and it is one of the most free flowering of the genus.
All bushy stock: 2 to 3 ft., **60c**; 3 to 4 ft., **75c**; 4 to 5 ft., extra bushy, **$1.00.**

Lemoinei Conquette. Branches thin and flexible. Flowers large, double, irregular, with narrow sepals, tulip-shaped; very sweet and floriferous.
2 to 3 ft., **60c.**

Lemoinei Erectus (B). A charming variety of erect growth; creamy whits fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 3 to 4 ft ., **75c.**

PRIVET. See Ligustrum.

PRUNUS (Plum)

Ornamental and Flowering Varieties.

Pissardii (A). (Purple-leaved Plum.) A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear hefore the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 3 to 4 ft., **$1.00.**

Spinosa (Blaekthorn, Irish Shillalah.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 4 to 5 ft., extra hushy, **85c.**

Triloba (B). (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold.
Bush form, 2 to 3 ft., **75c**; Tree Form, 2½ ft. stem, **$2.50**; 3 ft. stem, **$4.00** to **$6.00.**

RHAMNUS (Buckthorn)

Catharticus. (A). A fine, robust shrub, with dark green foliage, white flowers and small, hlack fruit. A popular hedge plant.
3 to 4 ft., **60c**; 4 to 5 ft., **85c**; 5 to 6 ft., Specimens, **$1.50**; 6 to 7 ft., Specimens, **$2.50.**

RHODOTYPOS (White Kerria)

Kerrioides (C). A very ornamental Japanese shruh of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded hy numerous hlack berries. 2 to 3 ft., **60c.**

RIBES OR FLOWERING CURRANT

Alpinum (B). An attractive shruh with fragrant golden yellow flowers and deep scarlet fruit. 2 to 3 ft., extra hushy, **60c.**

Aureum (Yellow-flowering, or Missouri Currant.) **(B).** A native shrub with glahrous shining leaves and yellow sweet-scented flowers in June.
2 to 3 ft., **60c**; 3 to 4 ft., **75c.**

RHUS (Sumach)

Aromatica (Fragrant Sumach) (C). A low shrub with a peculiar aromatic odor when bruised. Brilliant red foliage in autumn. 2 to 3 ft., **60c.**

Copallina (Dwarf or Shining Sumach) (C). Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 2 to 3 ft., **60c.**

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves. Flowers pale purple, borne in loose panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect which gave to the plant its common name. A highly ornamental object. In autumn the foliage assumes brilliant tones of red and yellow. 2 to 3 ft., **60c;** 3 to 4 ft., **85c.**

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 3 to 4 ft., **60c;** 4 to 5 ft., **75c.**

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., **60c.**

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 3 to 4 ft., **60c;** 4 to 5 ft., **75c.**

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and turns a golden yellow in the fall. Attains a height of 20 ft. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

ROBINIA (Acacia)

Hispida (Hairy Locust). A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 2 to 3 ft., **85c.**

Pseud acacia (False Locust.) A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 4 to 5 ft., **60c;** 5 to 6 ft., **85c.**

ROSA (Rose)

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 yr., **60c;** 3 yr., **75c;** 4 yr., **85c.**

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 3 yr., **60c.**

Rugosa Rubra. This red-flowered single Japanese rose is very valuable for shrubberies. Bright pink flowers in May, with large tomato-like berries in winter. 3 yr., **75c.**

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast. Make attractive clumps in neighborhood of ponds and streams.

Britzensis. Of particular beauty in winter; the color of the bark changes with the approach of cold weather, taking on a flame or bronze color, and this is maintained until spring. Very effective when the ground is covered with snow. 4 to 5 ft., **75c.**

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves come out. Very handsome in flower and greatly esteemed. 4 to 5 ft., extra bushy, **60c.**

Laurifolia. (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark-green leaves; admirable for sea shore and narrow streets. 3 to 4 ft., **60c.**

Vitellina Aurea. Branches rich, golden yellow with drooping growth habit. 5 to 6 ft., **$1.00.**

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for waterside and border planting.

Nigra Aurea. (A). Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 3 to 4 ft., extra bushy, **65c;** 4 to 5 ft., extra bushy, **$1.00.**

Nigra Laciniata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 3 to 4 ft., extra bushy, **65c;** 4 to 5 ft., extra bushy, **$1.00.**

Racemosa. Attractive red berries in summer. 3 to 4 ft., **65c;** 4 to 5 ft., **$1.00.**

SNOWBERRY. See Symphoricarpus.

SMOKE TREE. See Rhus Cotinus.

SNOWBALLS. See Viburnum.

SWEET BRIAR. See Rosa Rubiginosa.

SWEET SHRUB. See Calycanthus.

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B). Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1½ ft., extra bushy, **65c.**

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 2 to 3 ft., bushy, **65c.**

Billardii. (B). Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 2 to 3 ft., **60c.**

Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1 ft., extra bushy, **60c.**

Callosa Froebeli. Low growing shrub with bluish-green leaves. Mass of rich rose colored blooms throughout summer. 1½ to 2 ft., extra bushy, **60c.**

Opulifolia. (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places. 4 to 5 ft., extra bushy, **85c;** 5 to 6 ft., Specimens, **$1.50.**

SPIRAEA—Van Houttei (Bridal Wreath)

SPIRAE—Continued

Opulifolia Aurea, (Golden-leaved Nine Bark.) **(B).** Golden yellow tinted foliage, and white flowers in June. Very conspicuous. 2 to 3 ft., **60c.**

Sorbifolia. (B). A vigorous species, with leaves like those of the Mountain Ash and long, elegant spikes of white flowers in July. 2 to 3 ft., extra bushy, **60c.**

Thunbergii. (Thunberg's Spiraea.) **(B).** Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow. 1½ to 2 ft., extra bushy, **65c.**

Van Houttei (Bridal Wreath). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome through out the entire year. Our stock is very large and in splendid condition. 2 to 3 ft., bushy, **60c;** 3 to 4 ft., extra bushy, **75c.**

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

Racemosus. (Snowberry.) **(B).** A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes in summer followed by waxy, white berries, which remain almost until spring. 2 to 3 ft., bushy, **60c.**

Vulgaris. (Coral-Berry or Indian Currant.) **(B).** A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, **50c;** 3 to 4 ft., bushy, **65c.**

TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders and valuable for seaside.

Amurense. A splendid hardy variety, with silky pink tassels; flowers all summer. 3 to 4 ft., **65c;** 4 to 5 ft., **85c.**

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 2 to 3 ft., **60c.**

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage assumes brilliant and intense color tones in the autumn.

Dentatum. (Arrow Wood). **(B).** May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 2 to 3 ft., bushy, **65c.**

Lantana. (Early white Lantana-leaved Viburnum.) **(A).** Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 2 to 3 ft., extra bushy, **65c;** 3 to 4 ft., extra bushy, **$1.00.**

Lentago. (Sheep Berry). Bright green leaves and yellowish white flowers—deliciously scented; black oval berries. 2 to 3 ft., extra bushy, **65c.**

Molle. (Glossy Viburnum). A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 to 3 ft., **65c;** 5 to 6 ft., Specimens, **$1.75.**

Opulus. (High Bush Cranberry.) **(A).** May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 3 to 4 ft., extra bushy, **65c;** 5 to 6 ft., Specimens, **$1.75.**

Opulus Sterile. (The old-fashioned "Snowball Tree.") Large balls or globes of of white flowers. Well known. 2 to 3 ft., bushy, **60c.**

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 2 to 3 ft., **60c;** 3 to 4 ft., **85c.**

Candida. White Weigelia, flowering throughout the summer. Unique and very attractive. 2 to 3 ft., **60c;** 3 to 4 ft., **85c.**

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all the Weigelias. 2 to 3 ft., **60c;** 3 to 4 ft., **85c.**

Nana Variegata. (C). One of the most conspicuous shrubs; leaves beautifully margined creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft., extra bushy, **65c.**

Rosea. A beautiful shrub, with rose-colored flowers. 2 to 3 ft., **60c;** 3 to 4 ft., **85c.**

ORNAMENTAL TREES

A BLOCK OF SCOTCH ELMS AT OUR NURSERIES

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting.
7 to 8 ft., **$2.00**; 10 to 12 ft., 3 inch caliper, **$8.00**; 12 ft., 4 inch caliper, **$12.00.**

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 12 ft., 3 inch cal., **$8.00.**

BIRCH (Betula)

Lutea. (Yellow or Gray Birch.) Native of America. Bark, yellowish-gray and somewhat silvery, 6 to 7 ft., **$2.50**; 8 to 10 ft., **$4.50.**

Papyrafera. (Paper or Canoe Birch.) Native of America; forms a large tree; bark brilliant white, leaves large and handsome. 7 to 8 ft., **$2.00.**

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2 year heads, 5 to 6 ft. clear stem, **$3.00.**

Kaempferi. (Japanese Catalpa.) A species of rapid growth, with deep green, glossy foliage. Two weeks later than Syringaefolia.
6 to 7 ft., **$1.75**; 8 to 10 ft., 1½ to 2 inch caliper, **$3.00.**

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted.
7 to 8 ft., **$2.00**; 10 to 12 ft., 1½ to 2 inch caliper, **$3.00.**

Syringaefolia. (Common Catalpa.) A showy, rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves. 7 to 8 ft., **$2.00.**

ELM (Ulmus)

American. The ideal street tree. We offer shapely trees.

Height	Caliper	Each	Height	Caliper	Each
10 to 12 ft.	1½ to 2 inch	$2.75	12 to 14 ft.	4 inch	$12.00 to $15.00
10 to 12 ft.	2 to 2½ inch	5.00	12 to 15 ft.	6 inch	25.00 to 30.00
10 to 12 ft.	3 inch	8.00			

For larger trees and larger quantities, write for prices.

English Elm. (U. Campestris.) Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree.

Height	Caliper	Each	Height	Caliper	Each
12 to 14 ft.	3 inch	$10.00	12 to 14 ft.	4 inch	$16.00

This is wonderfully fine stock and this type is much better suited to city conditions than the American Elm, which latter is best for the country.

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 8 to 10 ft., **$2.75.**

Monumental Elm. (U. Campestris Monumentalis.) A slow growing variety, forms a straight dense column, reminding one of a Lombardy Poplar. Very distinct and beautiful. 8 ft., **$3.00**; 10 to 12 ft., **$6.00**; 12 ft., 3 inch cal., **$12.00.**

Purpurea. (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances.
12 to 14 ft., 4 inch caliper, **$16.00.**

Scotch Elm. (U. Campestris Latifolia.) A very robust tree with large leaves. One of the best shade trees; highly colored until late autumn.

Height	Caliper	Each	Height	Caliper	Each
10 to 12 ft.	1½ to 2 inch	$3.00	12 ft.	4 inch	$12.00 to $15.00
10 to 12 ft.	2 to 2½ inch	5.00	12 ft.	4½ inch	16.00 to 18.00
10 to 12 ft.	3 inch	8.00	12 ft.	5 inch	25.00

Camperdown Weeping Elm. 5 ft. stem, 2 year head, **$4.00.**

On order for trees amounting to $12.00 and over, we prepay freight charges within limits of Chicago, orders for smaller amounts are shipped charges collect.

GINGKO BILOBA (Maidenhair Tree)

THE value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds.
6 to 7 ft., **$3.50**; 8 to 10 ft., 2½ inch caliper, Specimens, **$10.00** to **$15.00.**

LINDEN (Tilia)

Crimean. (T. Dasystila.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark, lustrous green, turning yellow and brown in autumn.
10 ft., 2½ inch caliper, **$7.50.**

LOCUST (Robinia)

Pseudacacia. (Black or Yellow Locust.) It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 5 to 6 ft., **85c.**

Honey Locust. (American) A tree of picturesque outline and rapid growth. Thrives on very light soils. 5 to 6 ft., **$1.50**; 6 to 7 ft., **$2.50.**

MAPLE (Acer)

Geneva. A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until leaves fall. 6 to 8 ft., 2½ in. caliper, **$7.50.**

Norway Maple. (Platanoides.) Its compact habit and vigorous growth render it one of the most desirable. 8 to 10 ft., 1½ inch caliper, **$3.25**; 8 to 10 ft., 2 inch caliper, **$5.00**; 10 ft., 2½ inch caliper, **$7.50**; 10 to 12 ft., 3 inch caliper, **$10.00.**

Schwedleri. (Schwedler's Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics as the Norway Maple.
8 to 10 ft., **$4.00**; 8 to 10 ft., 2 inch caliper, **$8.00**; 8 to 10 ft., 2½ inch caliper, **$10.00.**

Silver Maple. (Dasycarpum.) Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting.
8 to 10 ft., **$2.00**; 10 to 12 ft., 2 to 2½ inch calipers, **$4.00.**

Wier's Cut-leaved Silver Maple. (Dasycarpum Wierii.) A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath, deeply and delicately cut.
8 to 10 ft., 2 inch, **$5.00.** For larger trees write for prices.

MULBERRY (Weeping). 2 year head, **$3.50.**

Plane (Platanus)

London Plane. (Orientalis.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers pendulous, the latter about one inch in diameter. A rapid-growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke.
7 to 8 ft., 1¼ to 1½ inch caliper, **$2.00**; 8 to 10 ft., 2 to 2½ inch caliper, **$5.00.**

POPLAR (Populus)

Bolleana. Grows 60 to 80 feet high. Similar in habit to the Lombardy Poplar; very emphatic and a distinct-looking tree; has silvery white foliage.
7 to 8 ft., **$1.75**; 9 to 10 ft., **$3.00.**

Carolina Poplar. 8 to 10 ft., 1½ to 2 in., **$2.00**; 10 to 12 ft., 2 to 2½ in. cal., **$3.00.**

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree.
7 to 8 ft., **$1.00**; 8 to 10 ft., **$1.75**; 10 to 12 ft., **$2.50.**

Tree of Heaven

Tree of Heaven. (Ailanthus Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. Thoroughly hardy and has ability to withstand the smoke and gasses of the city.
5 to 6 ft., **$1.50**; 7 to 8 ft., **$2.00.**

Walnut

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree.
6 to 7 ft., **$1.35**; 7 to 8 ft., **$2.00.**

SPECIMEN TREES

If larger sizes are required than are specified on this page, customers will please write us for prices. We have some splendid specimen Elms in these large sizes.

The trees listed on this page are all well developed, heavily rooted, shapely stock and will give perfect satisfaction.

This stock is transplanted at regular intervals and far enough apart, in the nursery row so that the form of the tree and root system are given adequate room for proper development.

NOTE: **We have 15,000 Elms in our Nurseries** to select from and invite customers interested in large quantities, for estate or subdivision planting to inspect our stock and get our **special quantity prices.**

Vaughan's Fruit Trees

We shall be glad to prune fruit and other trees for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects, etc., will be attached to all shipments.

We offer the following selected varieties in the 4 to 5 ft. size only. Varieties marked with an X can be supplied in 8 to 10 ft. specimens.

4 to 5 ft. **Each, $1.00.** 8 to 10 ft. specimens. **Each, $3.00.**

Key for Fruit Tree Prices

Each	3 for	10 for
$1.00	$2.85	$ 8.50
1.25	3.50	11.00
1.50	4.00	12.00

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

APPLES

Autumn Strawberry. Red stripes, very white flesh. Bears young.

Baldwin. Large, roundish; deep bright red; juicy, crisp, sub-acid, good flavor; X very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March.

Banana. Large clear yellow, fine quality.

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remark- X ably healthy and vigorous. A profitable, market sort. Dec. to March.

Black Ben Davis. Stronger, hardier, and a better drought resister than Ben X Davis; fruit large, solid, deep dark red.

Delicious. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper.

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. X Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept.

Gano. Similar but superior to Ben Davis. It has all the good qualities in a higher degree, more brilliant coloring, runs more even in size, and keeps fully as late. The tree is vigorous and hardy; is a rapid grower; bears while young. Color bright red without stripes or blotches, and large and even in size.

Golden Russet. Medium size, dull russet, with a tinge of red.

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white, tender and juicy. A popular bright red apple largely grown in the North where hardiness is required. Nov. to Feb.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor.

Northwestern Greening. Yellow, smooth, rich, of good size, resembling X Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick X bloom; juicy, rich, acid, productive. One of the best summer apples. August.

Rome Beauty. (Late Winter.) A large bright red apple that is tender fleshed, juicy, good quality and an A-1 cooker. Bears young, blooms late, fruit hangs firmly and can always be depended upon for a full crop.

Salome. Tree a strong grower; holds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good.

Spitzenburg. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor.

Wagener. (Red Winter Apple.) Wagener is one of the most beautiful winter X apples ever grown. It is of the highest quality, the flesh being crisp, tender and aromatic. We know of no apple possessing greater beauty or of finer quality. It succeeds well East and West. Dec. to May.

Wealthy. The best, handsomest, most satisfactory fall apple. Largely planted throughout the United States. It is large and uniform in size, a brilliant red all over marked with stripes and splashes of deeper red. The tree grows large and symmetrical, is an enormous bearer and is hardy and thrifty. Wealthy trees bear extremely young and none more profitable earlier in life.

Winesap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May.

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, X greenish yellow, shaded with red or crimson; flesh white, half tender, juicy, pleasant, mild sub-acid, with a peculiar spicy flavor. Jan. and Feb.

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear, white at first, becoming a beautiful pale yellow. July and August.

CHERRIES

DYEHOUSE. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June. 3 ft., **$1.00.**

EARLY RICHMOND. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June. 4 to 5 ft., **$1.25;** 5 to 6 ft., fine trees, **$1.75.**

EARLY RICHMOND. (Grafted on Morello.) This is the best type of Early Richmond for the vicinity of Chicago, producing fruit much earlier than trees grafted on Mahaleb, etc. 4 to 5 ft., **$1.50.**

ENGLISH MORELLO. Rich, dark red fruit. Extra large. 3 to 4 ft., **$1.00.**

MONTMORENCY. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June. 3 ft., **$1.00.**

WINDSOR. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 3 to 4 ft., **$1.00;** 4 to 5 ft., **$1.25;** 5 to 6 ft., **$1.50.**

WRAGG. Claimed to be much hardier than English Morello, which it closely resembles. July. 4 to 5 ft., **$1.25.**

CRAB APPLES

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequalled for jelly and for vinegar; can be dried or preserved.

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes.

Transcendant. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses.

Whitney. One of the largest, glossy green splashed carmine.

DWARF APPLE AND PEAR TREES

The Dwarf Apple and Pear Trees come into bearing much earlier than the Standard Trees. Their low, broad heads are within reach so that the fruit can be easily picked. These trees take up so little room that they can be planted in the garden, or even on the lawn, and with care will bear good crops within three or four years. The fruit is of extra high quality. Dwarf Trees are secured by propagating Apples on Paradise stock; Pears on Quince. We have the following list to offer:

DWARF APPLES. 3 to 4 ft. **Each, $1.00.**
Delicious, Duchess of Oldenburg, Early Harvest, McIntosh Red, Snow Fameuse, Wagener, Yellow Transparent.

DWARF PEARS. 3 to 4 ft., Each, **$1.00.**
Bartlett, Clapp's Favorite, Duchess, Seckel.

PEARS

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated by cutting away the diseased limbs entirely. Thinning increases size and quality of remaining crop.

BARTLETT. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 5 ft., **$1.00;** 5 to 6 ft., **$1.25.**

CLAPP'S FAVORITE. Resembles the Bartlett, ripening a few days earlier, hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before ripe. 4 to 5 ft., **$1.00;** 5 to 6 ft., **$1.25.**

DUCHESS. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., **$1.00;** 5 to 6 ft., **$1.25.**

EARLY HARVEST. Early. Good size. 4 to 5 ft., **$1.00;** 5 to 6 ft., **$1.25.**

FLEMISH BEAUTY. Large, juicy, rich, one of the hardiest. September and October. 4 to 5 ft., **$1.00.** 5 to 6 ft., **$1.25.**

KIEFFER. Good for preserving and canning; extra large; good bearer. October. 4 to 5 ft., **$1.00.** 5 to 6 ft., **$1.25;** 6 to 7 ft., **$1.50.**

KOONCE. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 4 to 5 ft., **$1.00;** 5 to 6 ft., **$1.25.**

SECKEL. Small, yellowish brown, red cheek; best to eat out of hand, or pickle. 4 to 5 ft., **$1.00.**

PLUMS

ABUNDANCE. This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 3 to 4 ft., **$1.00.**

BURBANK. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 3 to 4 ft., **$1.00.**

DE SOTA. Very hardy, bright red. September. 4 to 5 ft., **$1.25.**

SHROPSHIRE DAMSON. Of fine quality; flesh amber-colored, juicy and sprightly. 3 to 4 ft., $1.00.

WANETA. One of the latest of Prof. Hansen's hybrids, being a cross of the Terry and Japanese apple plum. It bears the largest fruit of any of the hybrids, one specimen plum being 2 inches in diameter. The fruit is red, thin skinned, and has a sweet and delicious flavor. 4 to 5 ft., **$2.00.**

PEACHES

The following are of the freestone variety:

Price, the following 4 to 5 ft. trees, each, **$1.00.**

CHAMPION. Middle of August. Fruit large, beautiful; skin creamy white.

CRAWFORD'S EARLY. Large yellow, of excellent quality. Vigorous and prolific.

CRAWFORD'S LATE. Very large and productive, yellow; ripens about the close of the peach season.

CROSBY. One of the hardiest; abundant bearer, bright yellow. September.

ELBERTA. Large, yellow; one of the leading market varieties. September.

WONDERFUL. Golden yellow, overspread with rich carmine.

QUINCE

ORANGE. Large bright yellow, fruit of excellent flavor. 4 to 5 ft., **$1.25.**

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

Hardy Coniferous Evergreens

JUNIPERUS PFITZERIANA
A Graceful Specimen for Lawn or Mixed Border

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be bad which will give as thick and dense foliage during the entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done during the early spring, **April** or **May**, and in **September**. We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain.

PICEA (Spruce)

Excelsa. (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak.
4 ft., **$5.00**; 5 ft., **$6.00**; 6 ft., **$10.00.**

Excelsa Nigra. (American Black Spruce). A small or medium sized tree; a native of North America, of great hardiness, and particularly useful for planting in the Northern States.
1 to 1½ ft., **$1.25**; 2 ft., **$2.00.**

Omorika. (Serbian Spruce). A distinct and remarkably ornamental species of dense growth, with narrow outline, having shiny leaves of dark green with white lines above. 4 to 5 ft., **$6.00**; 5 to 6 ft., **$10.00.**

Koster's Blue Spruce

Pungens Glauca Kosteriana (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Colorado Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock. The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
2 ft.	$ 7.50	7 ft. Specimens	$45.00 to $50.00
2½ ft.	10.00	7 to 8 ft. Specimens	50.00 to 60.00
3 ft.	$12.00 to 15.00	8 to 10 ft. Specimens	60.00 to 100.00
6 ft. Specimens	30.00 to 40.00	**For Larger Specimens, Write for Prices.**	

Pungens Glauca (Colorado Spruce). This excellent native Spruce can be supplied in two colors—slate blue and green. Height, 1 ft., blue, **$3.00**; green, **$2.00**; height, 1½ to 2 ft., blue, **$4 00**; green, **$3.00.**

ABIES (Firs)

Brachyphylla. (Nikko Fir) A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc.
4 ft. Specimens, **$7.50**; 5 ft. Specimens, **$10.00.**

Douglasii. (Douglas Fir). A fine rapid growing fir, for extensive planting, windbreaks, etc. or as individual specimens. A most valuable timber tree. 4 ft., **$5.00.**

JUNIPERS AND CEDARS

Canadensis. (Canadian Juniper). Of low spreading, irregular form with foliage of light green. Valuable for rockeries and slopes. 5 ft. by 4 ft., **$10.00** to **$15.00.**

Communis Hibernica. (Irish Juniper). Now becoming one of the best-known and most popular forms of our common Juniper. Of uniform, rapid growth, requiring but little trimming. 2 to 2½ ft., **$4.00.**

Japonica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 1½ ft. by 1½ ft., **$3.50.**

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft.
6 ft. by 5 ft. Specimens, **$20.00** to **$25.00**; 7 ft. Specimens, **$26.00** to **$30.00**; 8 ft. Specimens, **$50.00** to **$60.00.**

Sabina. (Savin Juniper). A dwarf spreading evergreen, with trailing branches suitable for rock work. 10 to 12 in., **$2.50.**

Virginiana (Red Cedar). A rapid, erect grower, with bright rich green foliage.
2 ft., **$2.00**; 3 ft., **$5.00.**

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, when the golden bronze of the young growth is contrasted with the dark green of the older.
3½ ft., **$7.50**; 4 ft., **$10.00.**

Virginiana Glauca. (Blue Virginia Cedar). A vigorous growing variety, with foliage of silvery tinge, compact and conical in form. Makes a fine tree.
3 ft., **$5.50**; 4 ft., **$7.00.**

Virginiana Schottii. Best of all the upright green Junipers; fine pyramidal form with foliage of a peculiar bright green. 4 ft., **$6.00**; 5 ft., **$7.50.**

LARIX (Larch)

Europaea. (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 4 to 5 ft., $3.00; 5 to 6 ft., **$6.00**

PINUS (Pines)

Mughus. (Dwarf Pine). A low growing handsome evergreen with vividly colored leaves of a twisty nature and cones of a brown, grayish tinge. Extra fine.
1 to 1½ ft., **$5.00.**

Strobus. (White Pine). A very beautiful and graceful pine, regular in form with dark green foliage, growing quite tall, surmounted by a symmetrically-formed crown. 2 to 3 ft., **$4.00**; 3 to 4 ft., **$5.00**; 4 to 5 ft., **$8.00.**

TAXUS (Yew)

Cuspidata. Of dwarf spreading growth, light green foliage. Very hardy.
3 ft., **$6.00**; 4 ft., **$7.50.**

THUYA (Arborvitae)

Occidentalis. (**American Arborvitae**). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side. 1 to 1½ ft., **75c**; 3 ft., **$2.50**; 4 ft., **$4.00.**

Occidentalis Globosa. A round compact form, deep green foliage. Very shapely as specimens. 15 inches by 15 inches, **$3.00**; 18 inches by 18 inches, **$5.00.**

Occidentalis Wareana. The hardiest of American Arborvitae, although of somewhat slower growth; it has most beautiful dense and symmetrical form with a rich dark green foliage. 1½ to 2 ft., $2.00; 2 to 2½ ft., **$3.00.**

THUYOPSIS

Standishii. (Japanese Arborvitae). A beautiful and attractive species with horizontal branches and bright green foliage. 3 to 4 ft., **$5.00**; 5 ft., **$7.50.**

VICTORY RASPBERRY
From photograph of a pint of berries; the berries are nearly one inch in diameter.

VICTORY—The Great New Red Raspberry

Victory is a seedling of the Cuthbert, one of our best old raspberries, and resembles that grand variety. Victory has produced regularly for several seasons nearly twice as much fruit as Cuthbert, bush for bush, and acre for acre, grown in the same field, under exactly the same conditions. Victory berries are very much larger than Cuthbert and of better quality and flavor. Ripens a week ahead and continues to fruit two weeks later than Cuthbert. Victory **is a money maker**, fruit having sold at sixteen cents a pint box **more** than other varieties in the Chicago market. **Price, each, 35c; 3 for 90c; 10 for $3.00; per 100, $15.00.**

NEW EVER-BEARING RASPBERRY

ST. REGIS. Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes, while the young canes continue to bear fruit in increasing numbers until frost sets in. **Awarded the highest certificate of merit by the American Institute of New York. Price, each, 30c; 3 for 80c; 10 for $2.50; per 100, $12.00.**

VAUGHAN'S SMALL FRUITS

CURRANTS

These can only be shipped to points in Illinois.

Price, (except where noted) 2-year, **each 45c; 3 for $1.20; 10 for $3.50.**
If to go by mail, six 2-year weigh 12 lbs.; dozen 2-year weigh 25 lbs.,

CHERRY. A prolific red currant of excellent quality. Where well cultivated the fruit reach ½ inch in diameter.

FAY'S PROLIFIC. (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive.

LEE'S PROLIFIC. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. One of the best for general use.

PERFECTION. (Red.) Very large. A cross of the famous Fay's Prolific and the White Grape. A very productive variety with berries about as large as grapes, making it a valuable market sort. 2-year, **each 50c; 3 for $1.40; 10 for $4.00.**

WHITE DUTCH. Large, white, exceedingly productive. A well known sort.

GRAPES

Price, (except where noted) 2-year, **each 60c; 3 for $1.65; 10 for $5.00.**

AGAWAN. (Red or Maroon.) Bunch usually loose shouldered; berries large; skin thick, flesh pulpy, meaty, juicy, of a rich aromatic flavor; ripens about with Concord; a good keeper.

BRIGHTON. (Dark Red.) Bunches large, berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollenize itself. One of the best early red grapes.

CAMPBELL'S EARLY—King of American Grapes. (Black.) A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light, purple bloom; skin thick; flavor rich and sweet. Price, 2-year-old vines, **each 75c; 3 for $2.10; 10 for $6.50.**

CATAWBA. (Red.) Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

CONCORD. One of the most popular and reliable varieties grown.

DELAWARE. (Red.) Bunches small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. Early and abundant bearer.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp.

MOORE'S EARLY. (Black.) Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Large size and early.

NIAGARA. (White.) Vine hardy; unusually strong grower.

GOOSEBERRIES

Price, 2-year, **each, 45c; 3 for $1.20; 10 for $3.50. If by mail, three** 2-yr. weigh 6 lbs., **six** 2-yr. weigh 12 lbs.; **larger quantities should be expressed.**

DOWNING. Large handsome pale green and of splendid quality for both cooking and table use. Is called "The Great American Gooseberry."

HOUGHTON. Color pale red; tender and good. Medium sized berries under ordinary care, but if thinned thoroughly in fall or spring, fruit will be greatly improved. A heavy yielder.

RED JACKET. It is one of the best red gooseberries in existence. The berries are large, smooth, bright red and of excellent quality. Has good foliage; mildew proof. A good yielder.

BLACKBERRIES

Price, each, 25c; 3 for 65c; 10 for $1.70; per 100, $10.00.

If by mail, six weigh 2 lbs., dozen weigh 3 lbs., 50 weigh 11 lbs., larger quantities by express.

ANCIENT BRITON. Large berries of excellent quality, very prolific. Vigorous, healthy, and one of the hardiest of all.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

HIMALAYA GIANT. New. Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on a trellis. Fruit large, black, has yielded as much as 400 crates per acre.

MERCEREAU. Rich black oval berry; very sweet; extra hardy—resists disease.

SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

RASPBERRIES

Price, except where noted, each, 25c; 3 for 65c; 10 for $1.70; per 100, $10.00.
If by mail, six weigh 2 lbs.; **dozen** weigh 4 lbs.; 50, 11 lbs.; larger quantities should be expressed.

COLUMBIAN. (Red.) Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.

CUTHBERT. Deep crimson, firm. A strong, hardy and productive variety.

GREGG. (Black.) Large, heavy bearer.

THE HERBERT RASPBERRY. Red. A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry today. **Price, each, 30c; 3 for 80c; 10 for $2.50; per 100, $12.00.**

KANSAS. (Black.) The best of all the Black Caps, berries as large or larger than the Gregg; jet black, firm, handsome and of the best quality.

LOUDON. (Red.) The largest Red Raspberry we have ever seen.

MARLBORO. Light crimson, large, and of good quality. Very productive.

OLDER. (Black.) Of strong growth, producing canes very much branched giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

RHUBARB

VAUGHAN'S MAMMOTH RHUBARB ROOTS

Price, 1 year, each, 25c; 2 year, each, 50c. Extra strong clumps, for forcing, each, 75c.

Vaughan's VIGOR Strawberries

Price, postpaid up to the 4th zone, 25 for **50c;** 100 plants for **$1.50.** Postpaid from 4th to 8th zone, 25 for **60c;** 100 for **$1.75.**
By express, at buyer's expense, 100 for **$1.35;** 500 for **$6.50;** 1000 for **$12.00.** Write for prices on larger lots.

Our plants are grown under ideal conditions in Northern Michigan. Note illustration for root development of a single, specimen. They have been developed from selected plants. We expect to make "Vaughan's Vigor" Strawberry Plant the standard for the country. We know you will be pleased. Varieties below are up-to-date.

Write for pamphlet on Strawberry Culture.

Special prices in 1000 lots.

AROMA. (Per.) Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color: very firm and of high quality. Its rich aromatic flavor has suggested its name. The habit of spreading which this variety possesses opens the way for the sunlight to reach the crown. The leaves are broad, clean and smooth and of a dark green color.

BIG JOE. (Per.) Late. Fruit large roundish, onical, even in size and shape and holds its size well until the last picking. Dark glossy red, firm and of excellent quality, adapted to practically all conditions of soil and climate. A splendid producer. A good pollnizer for the late imperfect blossoming varieties. Also known as the Joe Johnson.

BIG LATE. (Imp.) Late. Bright red glossy berries which have a fine flavor and aroma difficult to describe. It is unequalled for shipping, as the berries keep in excellent condition for several days after picking. It is of great size and the plants are very prolific. Its foliage grows tall and spreading. One of the last strawberries to ripen. Should be planted with a good perfect flowering variety.

BRANDYWINE. (Per.) Medium late. Large deep red fruit, and a fancy market product. Flesh firm and red all the way through. The flavor of Brandywine is very distinctive. A general favorite because of its many fine points and its high productivity. Foliage dark green, roots deep, enabling it to endure more dry weather than most varieties. It thrives in any kind of soil and under any reasonable climatic conditions.

DR. BURRELL. (Per.) Medium early. The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red only a trifle lighter in color than the Senator Dunlap. The meat is solid and rich. Its long and heavy root system makes it a splendid drouth resister. The foliage is large and of a dark green, having a tough leaf tissue insuring freedom from leaf spots.

GIBSON. (Per.) Medium early. Berries are large and regular in shape, holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive, in fact we know of no variety that will produce more quarts of berries per acre than the Gibson. It makes a strong vigorous plant that withstands adverse conditions admirably. This variety seems to embody every requirement necessary for a profitable berry. We recommend it and know you will not make any mistake in planting Gibson.

KELLOGG'S PREMIER. (Per.) Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resister, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. Where extra fancy early fruit is wanted we advise this.

MAGIC GEM. (Per.) Late. The fruit is deep rich red, smooth and solid. Its product is practically 100 per cent. fancy berries. It has the desirable faculty of maturing all its fruit, so that the last picking is as large and attractive as the first. It is a strong vigorous grower with leaves and stems very thick and tough, withstanding all extreme weather conditions. This variety originated in Idaho, but has succeeded in all parts of the United States and Canada.

SENATOR DUNLAP. (Per.) Midseason. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the new beginner as well as with the veteran grower—but should not be allowed to mat too thickly. For a medium sized productive early to midseason berry you need not hesitate to plant Dunlap. One of the best and most popular.

PROGRESSIVE. (Fall bearing.) You can have strawberries just as easily in the Fall as in the Spring by planting the Progressive which is the best of all Fall or Everbearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.
Price, 25 for **$1.00;** 50 for **$1.50;** 100 for **$2.50;** postpaid up to the 4th zone: 500 for **$11.50;** 1000 for **$20.00,** by express at buyer's expense.

SPECIAL OFFER No. 125. A Strawberry collection, 100 fine strong plants (Spring delivery only) in four good sorts, our selection, postpaid, for **$1.50.**

POT GROWN STRAWBERRIES FOR FALL PLANTING

Ready about August 1st. Selection from above list, doz., **75c;** per 100, **$5.00.**
Fall bearing, doz., **85c;** per 100, **$5.00.**
Not less than 25 at the 100 rate by express at buyer's expense.

INSECT DESTROYERS

DEMAND INCREASING
SECURE YOUR SUPPLY

Prices on all insecticides are subject to change as season advances. Chemical market unsteady.

BLACK LEAF 40, is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 25c; ½ lb. can, $1.00, makes 40 to 100 gallons; 2 lb. can, $3.25, makes 200 to 500 gallons; 10 lb. can, $13.75, makes 840 to 2100 gallons.

LIME SULPHUR. The best remedy for San Jose scale. One gallon makes ten. Also one of the best summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Per qt. can, 45c; 1 gal., $1.00; 5 gal. can, $4.00.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York). Per box 45c; by mail 50c; smaller size 25c.

APHIS PUNK. Special preparation of nicotine for killing insects. Per pkg., 12 sheets, 75c; 1 case, 12 pkgs., $8.50.

APHINE. 1 pt., 65c; 1 qt., $1.00; 1 gal., $3.00

CALCIUM, ARSENATE. (Dry.) For dusting and spraying. A new arsenical poison for chewing insects, especially potato beetles. Harmless to foliage, not easily washed off. Lb., 55c; 5 lbs., $2.50; 10 lbs., $4.50.

BORDEAUX MIXTURE. (Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 5 lbs., $1.75; 25-lb. kegs, $6.50.

BORDEAUX MIXTURE. (Liquid). Ready for use by simply adding water. 1 gallon will make 50 gallons liquid. 1 qt., 65c; 1 gal., $1.65; 5 gals., $6.50.

CARBON DISULPHIDE. For ants and cut worms. 1 lb., 45c; ¼ lb., 15c.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., $1.25.

FLOWERS OF SULPHUR. Lb., 12c; 10 lbs., $1.00; 50 lbs., $4.00; 100 lbs., $7.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases, for greenhouse and outdoor use. 1 qt., $1.25; 1 gal., $3.00.

GRAPE DUST. Excellent for the prevention and destruction of mildew on plants. Per lb., 25c; 5 lbs., 85c; 10 lbs., $1.60.

HELLEBORE POWDERED, White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., $2.75; 10 lbs., $5.25.

KEROSENE EMULSION. One of the best insecticides for all soft-bodied sucking insects feeding openly, so as to be within reach of actual contact, such as plant lice, flea beetles, aphis, green fly, mealy bug; also for insects on fruit trees, including San Jose scale. Per 1-quart can, 50c; 1 gal., $1.25; 5-gallon can, $5.00.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 35c; pt., 60c; qt., $1.00; ½ gal., $1.50; gal., $2.50; 5 gals., $11.50.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent. nicotine. ¼ lb., 65c; 1 lb., $2.00; 4 lbs., $7.50; 5 lbs., $14.50.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of Paper strongly saturated with Nicotine. These, when suspended and lighted, make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, $1.25; 144 sheets, $5.00; 288 sheets, $9.50.

NICOTICIDE. Fumigating compound for killing all kinds of insects on plants in greenhouses and frames. 4 oz., 70c; ½ pt., $1.25; 1 pt., $2.50; qt., $4.50; ½ gal., $8.25; gallon, $15.00. **Fumigators for above,** each, 95c.

ARSENATE OF LEAD (Paste). The latest and best known insecticide for all leaf eating insects It adheres to the foliage for weeks, thus doing away with repeated sprayings. There is absolutely no danger of burning or scorching the leaves. Lb., 40c; 5 lbs., $1.75; 10 lbs., $3.00; 25 lbs., $6.50; 50 lbs., $11.00; 100 lbs., $21.00

ARSENATE OF LEAD. (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in a particularly efficient manner. 1 lb., 60c; 5 lbs., $2.65; 10 lbs., $5.00; 25 lbs., $11.00; 50 lbs., $20.00; 100 lbs., $39.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 40c; 5 lbs., $1.50; 10 lbs., $2.75; 25 lbs., $6.00; 50 lbs., $11.00; 100 lbs., $21.00.

NIKOTEEN. Use same as Nicoticide. 1 oz. bottle, 35c; 1¾ oz., 55c; ½ pt., $1.10; pt., $2.00; 3 pts., $5.75. Per original case 10 pts., $18.00.

PARIS GREEN. A poisonous insecticide in powder form, for insects which chew. When applied as a powder use one part Paris Green to 100 parts plaster or flour. As a liquid one pound of Paris Green in 150 to 300 gallons water; if used on fruit trees add one pound quick-lime. Changes with market. ½ lb., 40c; per lb., 70c; 5. lbs., $3.25; 14 lbs., $8.50.

SCALECIDE. An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt., 65c; gal., $1.60; 5 gals., $6.80; 10 gals., $11.70.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb. 20c; 5 lb. package, 60c; 25 to 50 lbs., at 10c lb. Per keg 125 lbs., $11.75; barrel, 250 lbs. in bulk, $22.00. **Slug Shot Duster.** Large size, 60c.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandeloins without injuring grass. Liquid should be applied with a fine spray. Full particulars on application. 5 lbs, 25c.; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., $1.25; 100 lbs., $2.25.

SULPHO-TOBACCO SOAP. One of the best remedies for green fly on roses. Per ½-lb. box, 25c by mail, 30c. 3-oz. package, each, 15c.

THRIP JUICE. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 75c.

TOBACCO DUST, (Fumigating and Dusting). Fine dark powder of high, strength and will do the work. 5 lbs. 45c; 10 lbs., 80c; 100 lbs., $4.75.

TOBACCO DUST, (Regular Grade). 5 lbs., 30c; 10 lbs., 55c; 100 lbs., $4.00.

TOBACCO STEMS. These prices subject to change without notice, on account of the uncertain supply.

100 lbs	$2.25
500 lbs	9.00
1000 lbs	17.50

TO-BAK-INE. High strength Nicotine preparation. 1 pt., $2.50; ½ gal., $9.00; 1 gal., $17.50.

TREE TANGLEFOOT. Perfect safeguard for trees. Lb., 50c; 3 lbs., $1.45; 10 lbs., $4.50.

VERMINE. For eel, cut worms and wire worms, working in the soil. It can be applied to all vegetation. Gal. $3.00; quart, $1.00.

WORM ERADICATOR. Electric destroyer of worms of every kind at the roots of Trees, Shrubs, Flowers, Grape Vines, Vegetables, etc. Brings worms to surface and rids Golf Grounds of worms without discoloring grass, use 1 or 2 ounces to 1 gal. of water. 24 oz., $1.00; 1 gal., $4.00; 5 gals., $17.50.

Tree Tanglefoot

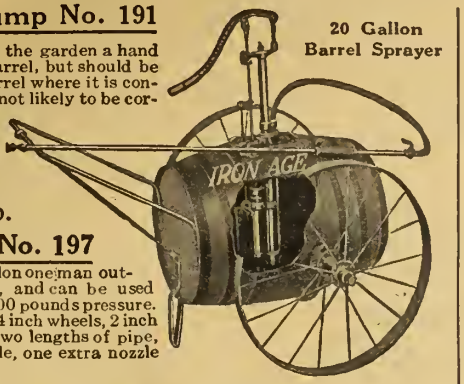
Insecticides Containing Poison Cannot be Sent by Mail

SPRAYERS AND DUSTERS FOR INSECTICIDES

Iron Age Vertical Barrel Sprayer Pump No. 191

For the man with a small orchard or a few trees in the garden a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel, mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, 191 **$20.00** without barrel; 191B (with barrel) **$25.00**; 1911 (without barrel) with 15 ft. lead hose **$24.00.**



20 Gallon Barrel Sprayer

Iron Age 20 Gallon Barrel Sprayer No. 197

For gardens, estates, parks, poultry plants, etc. 20 gallon one-man outfit, mounted, brass pump easily taken out of the barrel, and can be used elsewhere. Ball valves, wick packing, all easy to get at, 100 pounds pressure. Pump with one hand, guide spray rod with the other. 24 inch wheels, 2 inch tires. Equipment includes **33 inches half inch hose,** two lengths of pipe, two feet each, one sliding grip for pipe, one Iron Age nozzle, one extra nozzle or cap for washing windows, etc. **Price, $26.00.**

Iron Age Horizontal Barrel Sprayer No. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pounds pressure. Holds 50 gallons. Each sprayer has double hose coupling, so one or two leads of hose can be used. Price, **$31.00** without hose; 1901 with one lead of hose 15 ft. **$35.75.**

Iron Age Strainer Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble. Each **$1.50.**

Sunshine Double Action Spray Pump

A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

By using an entension rod the tops of highest trees can be reached.

Pump complete with agitator, suction pipe, brass strainer and two leads ½ inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles. **Price, $16.00.**

The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each, **85c.**

Little Giant

The best dry powder gun; will distribute any dry insecticides. Will do as much work in a day as a horse power sprayer. **Price, $11.00.**

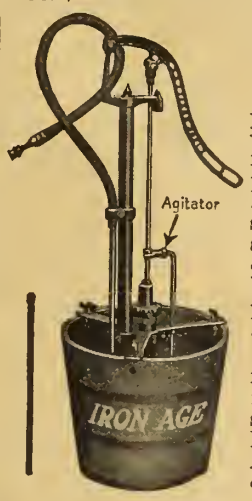
Duster, Lowell

Handy for dusting any powder. Operated same as hand sprayer. Each, **85c.**

Key Duster Gun

The new way of using Insecticides and Fungicides. No handling or mixing chemicals. Open the gun and insert the cartridge and it is ready for use.

Size, 36 in. long, 2½ in. in diameter. **Price, $3.00.** Write for prices on Insecticide cartridges.



Iron Age Bucket Sprayer

No. 195 is the complete Bucket Sprayer with special bucket in place of the foot-piece. An automatic agitator keeps the solution thoroughly stirred. Easily carried in one hand by the pump cross piece or by the lever at the top.

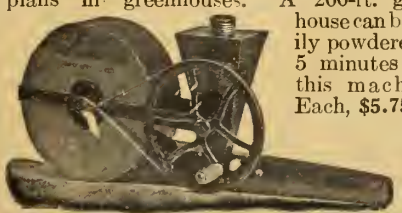
Equipment — 33 inches of hose, two-foot steel pipe extension with adjustable hand grip and "Iron Age" nozzle are included with each No. 195. With the pipe extension you can stand away from your work—also reach higher bushes, small trees, buildings, etc. **Price, $13.00.**

Bink's Spray

A medium price sprayer constructed of best material and will do good work. Equipped with 3 ft. discharge hose, shut-off cocks, Star spray nozzle and shoulder strap. Works with compressed air. **Price, $8.50.**

Peerless Blower

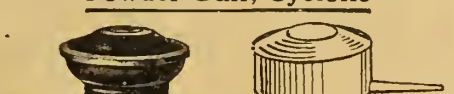
The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plans in greenhouses. A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, **$5.75.**



Powder Bellows. Acme.

For dusting with sulphur or like material. One size, each, **$1.45.**

Powder Gun, Cyclone



Small size, **20c.** Jumbo size. **45c.** Postage, extra, each, **5c.**

Pneumatic Sprayer

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank **$1.20**; Brass Tank, each **$2.00.**

The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, **85c.**

Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, **$7.00,** without bucket.

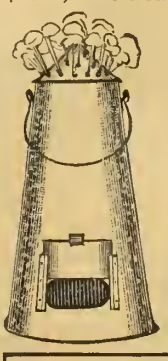
The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir, **$6.75, with Auto Pop, $7.25;** solid brass reservoir, **$10.25, with AutoPop, $10.75.** Extension rods, 2 ft. lengths, **60c.** Two-row attachments, **$1.50.**

Perfection Sprayer

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized Steel, **$6.75;** All Brass, **$10.00.**



Fulmigators. Eureka

(Galvanized)

No.		
1	½ pk. of stems...	$2.50
2	1 pk. of stems...	3.35
3	½ bu. of stems...	4.00
4	¾ bu. of stems...	5.25

See page 131 for insecticide nozzles.

While we endeavor at all times to maintain the prices quoted on supplies, the market conditions are such that changes may occur without notice. Write us for prices on quantities.

Double and Single Wheel Hoes

IRON AGE

HILL and DRILL Seeders
Sold to do One or Both Operations.

Write for 1920 Booklet

We are Special Agents for IRON AGE Tools

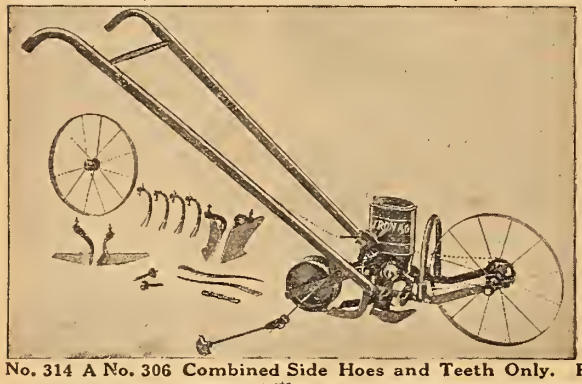
The Day of the Garden is here. There is facination, pleasure and profit in the right kind of a garden. The great drudgery of the old time garden of spading, raking and hoeing has by the introduction of modern garden tools been largely minimized. **With the Wheel Hoes,** the gardener, amateur or professional, large or small, can work over this garden ten times with the same labor required before for a "once over"; he can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. With the hand seed drills the modern cultivator saves seed and the labor of thinning for the machine plants so accurately that each seed is dropped exactly where wanted, in continuous rows or in hills. It is not only in the labor saving alone that these tools are valuable but their use also helps produce better crops than possible by the old method. Fertilizer attachments are made which drill in this plant food where wanted without the awful loss of hand-scattering. A woman, boy or girl can easily operate any "Iron Age."

More than 29 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete, adaptable tools—the kind you don't want to part with after you have once used them and know what they will do. Read various numbers and prices carefully order accordingly.

No. 306 Combined Double-Single Wheel Hoe, HILL and DRILL Seeder

Four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each Tool complete and the equal of any tools on the market. The cut below shows **No. 306** set up as a seeder (but with all parts in the picture),—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills and quickly changeable.

No. 306 complete with all attachments shown, Price $19.00.



No. 304 Combined Double and Single Wheel Hoe and DRILL Seeder
Like 306 but is a "Drill" seeder only and with different plow.
Price $18.00

No. 314 A No. 306 Combined Side Hoes and Teeth Only. Price $17.00.

No. 315 Combined Single Wheel Hoe HILL and DRILL Seeder

Will accomplish about all the work of the No. 306 except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. **306**. In its Seeder form sows either way, in drills or hills. Has strong malleable iron frame, the 16 in. wheel and is simply and easily changed and adjusted.

No. 315. Price, Complete, $16.00.
No. 316. The HILL and DRILL Seeder. **Price $13.50.**
No. 317 Combined Single Wheel Hoe and Drill Seeder is the same as No. 315 without hill-dropping device. **Price $15.00.**

No. 315 Price Complete $16.00

No. 3018 B Price $15.50 Special Pattern For Planting Seed for Big Onions And Sets

No. 318 DRILL Seeder only. **Price $12.50**

No. 12 Wheel Plow and Cultivator

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. This is sufficiently low-priced to be within the reach of any small garden owner. A great labor saver. **Price, No. 12, $5.75.**

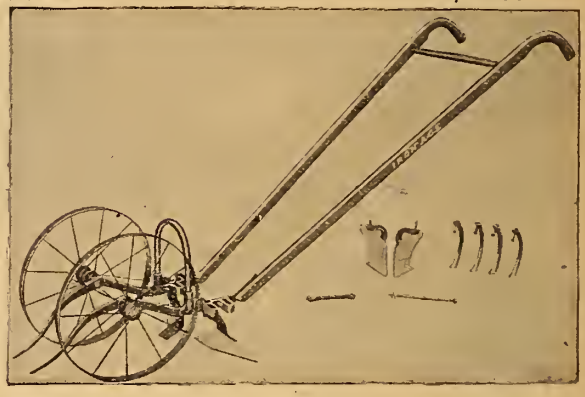
No. 12 Price $5.75

No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only. **Price $4.50.**

No. 301 Combined Double and Single Wheel Hoe

This is the Wheel Hoe form of the No. 306. Can be made into Single Wheel Hoe in one minute. Cultivates astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The high wheels make it an easy-running machine. Includes (for **$11.00**) all parts shown in cut below. **No. 301R.** Includes pair rakes besides all other parts. **Price, $12.00.**

No. 301 Price $11.00



Wheel Hoe with only the hoes order No. 303, Price, $7.75

No. 320 Single Wheel Hoe

The Wheel Hoe form of No. 315. Tools include side hoes, cultivator teeth, and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. **No. 320, Price $8.00.**

Same tool with rakes is **No. 320R. Price, $9.00.**

When wanted plain, with side hoes only. **Order No. 321, Price, $6.25.**

No. 308 HILL and DRILL Seeder Extra Large

An extra large capacity drill for market gardeners, etc. Wheel 16 ins. high with 1¾ in. tires—runs easily over soft ground. The hopper contains 3 quarts—enough for a round with long rows. Will sow the same seeds as No. 306. The adjustment for the quantity of seed is also the same.

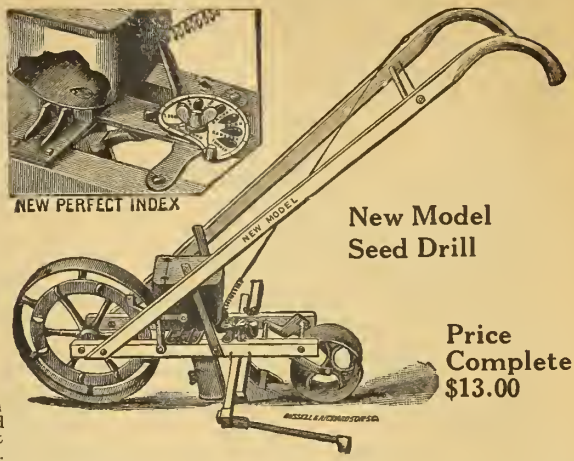
The marker is adjustable for widths from 6 to 20 inches. The seed sowing is always in full view. Opening plow may be adjusted to sow at correct depth.

No. 308 Price, complete, $18.00

PROMPT DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make QUICK SPECIAL DELIVERY of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

IRON AGE FARM AND GARDEN IMPLEMENTS



New Model Seed Drill

Price Complete $13.00

Popular with seedsmen and market gardeners. Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

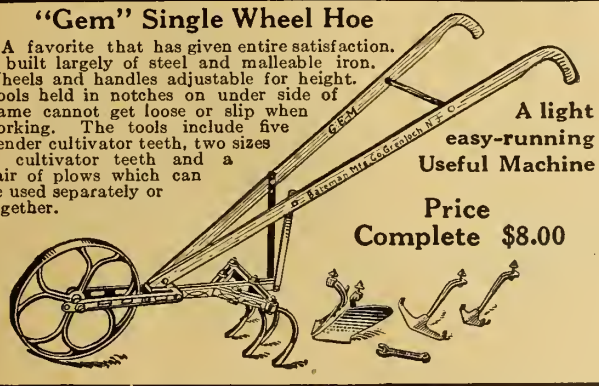
No. 19C Wheel Plow and Cultivator

Price No. 19C $6.00

A popular tool of great strength. This tool will do plowing in light soils, and will open furrows for seed or fertilizer. Cannot be excelled as a one-wheel cultivator. Has two sizes of single teeth for work in narrow rows, scuffle hoe, set of three teeth on a bracket and a landside plow. landside fitted on the plow acts as a guide, absolutely neeessary if you expect to make a clean cut furrow, to stay inthe ground and do a real job. The 24-inch wheel travels over rough ground easily. Has long hardwood handles, adjustable for height, with full plow-shaped grips.

"Gem" Single Wheel Hoe

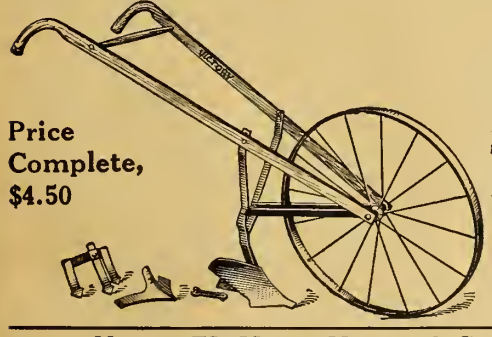
A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.



A light easy-running Useful Machine

Price Complete $8.00

Victory Wheel Plow and Cultivator

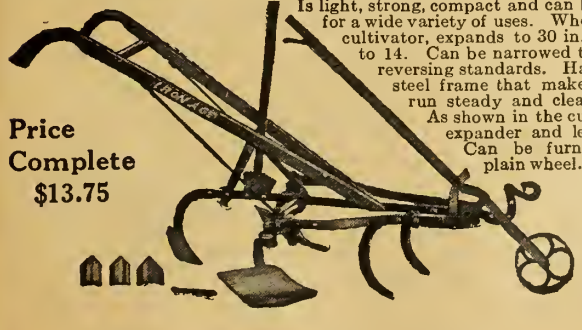


Price Complete, $4.50

Well put together. Steel construction throughout except handles, which are made of strong oak or ash. 24-inch wheel, rides easily over rough ground. Tools furnished consist of a set of three cultivator teeth on a bracket, a scuffle hoe and a landslide plow. Has hardwood handles with plow-shaped grips.

Victory Wheel Plow and Cultivator, $4.50

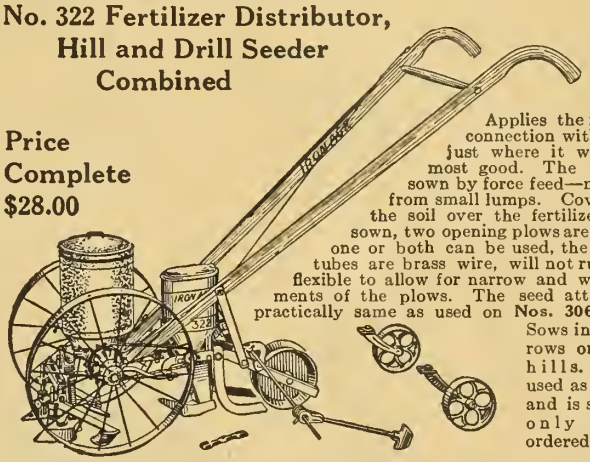
No. 600EL Horse Hoe and Cultivator



Price Complete $13.75

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel. Price, $13.00, or with plain wheel and without lever expander, Price, $12.00.

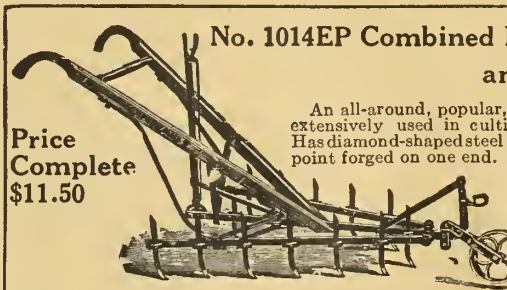
No. 322 Fertilizer Distributor, Hill and Drill Seeder Combined



Price Complete $28.00

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed—no stoppage from small lumps. Coverers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on **Nos. 306 and 315.** Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

No. 1014EP Combined Harrow and Cultivator



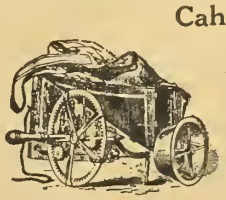
Price Complete $11.50

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, **Price, $10.75.**

Corn Planter—Hand

"The Eagle." This is a rotary planter, having three different sized plates which can be easily changed. Each, **$3.00.**

Cahoon Seeder



It will seed evenly four to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5½ lbs. Price, **$5.25.**

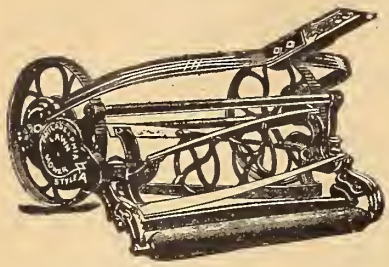
The Most Popular Quality Hand Tools

	Each		Each
Garden Hoe	$1.00	Dibber for transplanting	$0.55
12-Tooth Steel Rake	.75	Combination Hand Weeder	.35
Garden Spade	1.90	Excelsior Hand Weeder	.15
Spading Fork, 4-tine	1.25	Sheep Shears for cutting grass around trees and houses	.45
Garden Line for laying out rows.	1.25	Garden Shovel	1.90
Vaughan Trowel	.75		
Ordinary Garden Trowel	.20		

LAWN MOWERS
LAWN ROLLERS
LAWN TRIMMERS

WE SUPPLY EVERYTHING

LAWN MOWERS



Philadelphia Lawn Mower

The genuine Philadelphia Lawn Mowers are the recognized standard for high class machines. They are universally used in cemeteries and parks, where they are run constantly, day after day. The ordinary mowers cannot stand such usage. We list the three highest grade machines made by the Philadelphia company. Write for catalog.

Style A. High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side.

15 in.	17 in.	19 in.	21 in.
$22.50	**$25.00**	**$28.00**	**$30.50**

Style K. Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides.

14 in.	16 in.	18 in.	20 in.
$16.25	**$17.75**	**$19.50**	**$21.00**

Graham. Named for the president of the Philadelphia company. The finest lawn mower made. All steel cylinder, 4 blades. Driving wheels 10 inches. Train of gears for easy running on both sides. Bearings absolutely accurate. Wheels, gears and cylinders can be removed without disturbing other adjustments.

17 in.	19 in.
$27.50	**$30.75**

Philadelphia Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. **14 and 15-inch, $2.75; 16 and 17-inch, $2.85; 18 and 19-inch, $3.00; 20 and 21-inch, $3.20.**

Easy Emptying Grass Catchers

Easily adjusted to any lawn mower. Its strong features are a handle which gives a balanced grip and enables the catcher to be readily lifted off, carried, emptied and quickly set on the mower again. A non-slipping bottom, which prevents the grass from slipping forward while mowing. Round backs, so operator will not strike his toes on square corners.

	Price
Style 1G, for mower 12 to 18 inches, long wood handle	$2.25
Style 2G, for mower 16 to 22 inches, long wood handle	2.50
Style 23B, for mower 12 to 18 inches (square back), attached to mower by brackets	1.50
Style 24G, for mower 18 to 22 inches (square back), attached to mower by brackets	1.65

LAWN ROLLERS

Water or Sand Weight

Water Balast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, positively non-rust shut water entrance. The most efficient and easiest running roller that is made.

No.	Diam. in.	Length in.	Set-tions	Wt., empty	Filled water	Price
1420	14¼	20	1	46	148	$12.00
1824	18¼	23¼	1	76	274	14.50
2424	23¼	23¼	1	94½	418	18.50
2430	23¼	31¼	1	116	565	21.00

The Eagle Philadelphia Horse Lawn Mower

The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 580 lbs.; 40 inch, 610 lbs. **Price** (including seats, shafts and side-draft attachment) f. o. b. Chicago or New York: **35-inch cut, $135.00; 40-inch cut, $160.00.**

N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

The Philadelphia Eagle Motor Mower

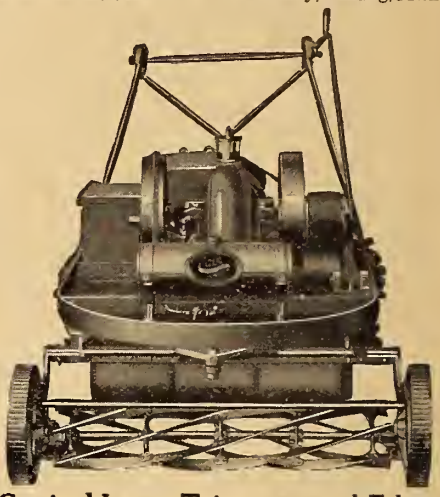
Walking type, cut 30 inches, weighs 900 lbs., 4 h. p. engine. **Riding type,** cut 40 inches, 8 h. p. double cylinder engine. Both types have corrugated rollers, with ends closed and differential gears. Can change to Lawn Roller in less than one minute. Can take out cylinder without disturbing frame of machine. Steel and malleable iron used for parts subject to extra strain. Only Flexible frame motor mower made. Adapts itself to uneven ground less subject to breakage. A Motor Mower for use by the average man. Trims large lawns better and at less cost than horse power. Price f. o. b. Philadelphia, Pa. Walking Type, **$550.00;** Riding Type, **$1,000.00.** Can make prompt deliveries at this time.

The Ideal Tractor Lawn Mower

A Successful Power Mower for Large Private Lawns, City Parks, Golf Links, Public Grounds, Cemeteries, etc.

During the past few years, with the ever-increasing cost of hand labor, the maintenance of large lawns has become a serious problem. The new Ideal Tractor Lawn Mower is the logical answer. It is beyond the experimental stage. There are many Ideal Tractors in operation daily in the different parts of the country and they are giving universal satisfaction. Names furnished on request. In a few minutes the machine can be changed to a perfect lawn roller. One man with this machine can do more and better work than five men mowing with hand mowers. The moderate first cost aids in making it a desirable investment.

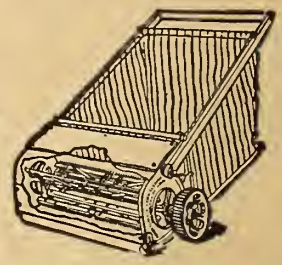
The machine has few parts and is as near "fool proof" as is possible to make. Any one who can keep a gasoline motor supplied with gasoline and oil can operate an Ideal Power Mower. **The cutter is pulled instead of driven direct,** the same principle as the ordinary hand mower. This saves the breakage which was the cause of many power lawn mower failures. Motor is sturdy, dependable slow speed single cylinder, dry cell ignition, built with as few parts as possible. One lever operates it Five blade cutter, 30 in. wide. Speed 2¾ miles per hour. Actual weight 735 pounds. Write for booklet. Prices: Ideal Tractor Mower, one cutting mower, **$360.00;** with riding tractor, **$390.00;** extra for one cutting mower, **$50.00;** extra for putting green mower, **$60.00.** F. O. B. factory, Lansing, Mich.



Capitol Lawn Trimmer and Edger

Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 inches wide. Price each, **$9.00,** complete.

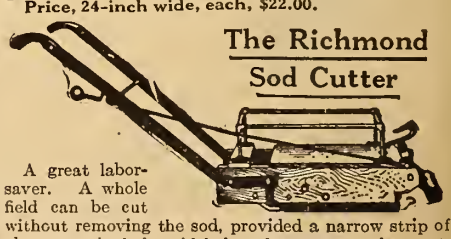
Gem Lawn Sweeper



This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work.

Price, 24-inch wide, each, $22.00.

The Richmond Sod Cutter



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start.

Price $33.00.

FOR THE LAWN, Etc.

HOSE, REELS, SPRINKLERS, RAKES, EDGERS, ETC.

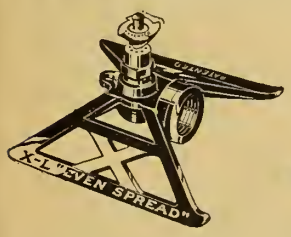
Electric Non-Kinkable

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with snap hose couplings if advised when ordering. Price, ¾-inch or ½-inch, per 25 feet, **$6.25**; 50 feet, **$12.00**; 100 feet, **$23.00.**

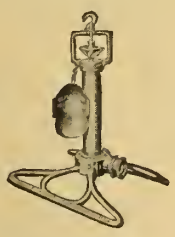
Velvet.

A first-class smooth hose; will give good satisfaction. Price, ¼-in., per 25 feet, **$5.75**; 50 feet, **$11.00**; 100 feet, **$20.50.**

XL No. 4 Even Spread Sprinkler



XL NO. 4 EVEN SPREAD SPRINKLER.



5 IN 1—CAN BE USED FIVE DIFFERENT WAYS.

Made substantial and sturdy. Red enamel base. Head made of hard white anti-friction metal. Very simple and nothing can get out of order. Its efficiency and low price makes it very popular.

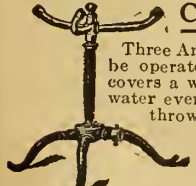
Price, each, **$1.25**; 3 for **$3.50.**

Lincoln Park or Butterfly

Cheapest and best Sprinkler made. Each, **45c.**

Mounted on stand: 2-foot, **$1.10**, 4-foot, **$1.20**; 6-foot, **$1.35.**

Columbia Sprinkler

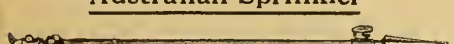


Three Arm Lawn Sprinkler, which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot. **Each, $2.00; 3 for $5.75.**

The Evanston Sprinkler

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray makes it especially desirable for new lawns and flower gardens. Its location may be changed while under full working head with perfect ease, by the aid of a wire or cord. Weight, 2 lbs. **Each, 75c.**

Australian Sprinkler



This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2 foot, **$1.10**, 4 foot, **$1.20**; 6 foot, **$1.35**; 8 foot, **$1.50.**

The "Snap" Hose Coupler

Best coupler, simple, durable, always tighe for ¾-inch hose. Per pair, **45c.**

HOSE COUPLER, Brass, for ½ or ¾-inch hose. Each, **25c**; doz., **$2.50.**

Hose Clamps, Bull Dog. Each, **8c**; doz., **75c**, Ppd.

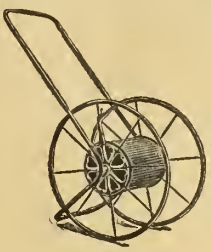
Hose Straps, Caldwell. Used in fastening coupler on hose. Each, **5c**; doz,. **35c.** Pliers for same, **35c.**

Perfect Clinching Coupler

¾-inch, per pair, **35c.**

Perfect Clinching Hose Mender

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. ¾-inch, each, **15c**; doz. **$1.25.**



Hose Reel — All Iron

Very light, frictionless; wheels being so high are very easily worked; never break or wear out.

No. 10 for 100 ft. ¾-in. hose..... **$5.25**

No. 20 for 150 ft. ¾-in. hose..... **6.00**

The Cooper Hose Mender

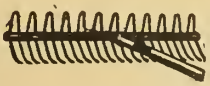
Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, **10c**; doz., **$1.00**; 1-inch each, **12c**; doz., **$1.25**, postage, 5c doz. extra.

Iron Mender, for ¾-inch hose. Each, **8c**; doz. **80c.**

HOSE WASHERS, ¾-inch, per doz., **5c**; gross, **50c.**

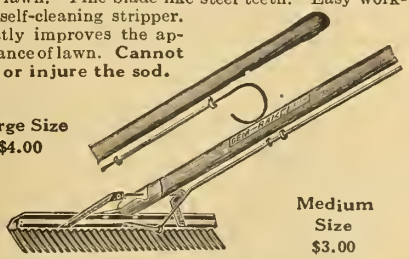
Lawn Rakes

Automatic Self Cleaning A backward motion of the operator clears all the teeth at once. **Each, $1.00.**



Lawn Queen. Wire teeth, reversible head; 24 teeth. **Each, 85c**; 36 teeth, **$1.20.**

Gem Dandelion Rake. Will keep dandelions off your lawn. Fine blade-like steel teeth. Easy working, self-cleaning stripper. Greatly improves the appearance of lawn. **Cannot tear or injure the sod.**



Large Size $4.00

Medium Size $3.00

Horse Lawn Boot

Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.

No. 2 for No. 2 horse shoe 5½ in. inside measure.
No. 4 for No. 4 horse shoe 6½ in. inside measure.
No. 6 for No. 6 horse shoe 7 in. inside measure.
Price, per set of four, $15.00.

Turf Edger

American.....Each, **$1.00**

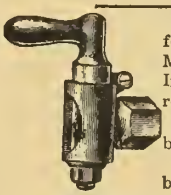
Hose Nozzles

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each. **$1.00**; by mail. **$1.10.**

Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. Each, **$1.00**; by mail, **$1.10.**

"Chicago" — Covers more space than any other hand-watering device. Made entirely of aluminum, except, removable perforated plate of heavy sheet brass. 2 plates, each 3¾ in. in diameter, about 100 very fine holes in each, giving both fine and coarse effective sprays. Florists like it. Price, **$2.75.**

Insecticide Nozzles



These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, **45c extra.**

Bordeaux Nozzle. Each, **$1.25**; by mail, **$1.30.**

Vermorel Nozzle. Each, **$1.00**; by mail, **$1.05.**

Bamboo Extension Rod

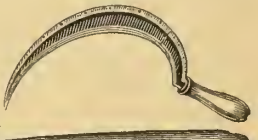
Lined with aluminum. Eight feet long, with stop cock. Each, **$4.50.**

Weed Killer

Herbicide. For use in clearing grass and weeds from roads, gutters, tennis courts. Use with 20 to 40 parts of water.

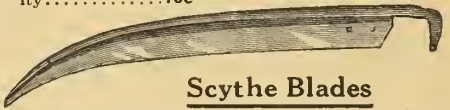
½-gal....**$1.00** 1 gal....**$1.75** 6 gal....**$7.00**

Grass Hooks or Sickles



English. Plain back. Each....**75c**

Domestic. Good quality.....**75c**



Scythe Blades

English, riveted back, 30-inch, **$3.00**; 36-inch, **$5.00**; Scythe Snath, each, **$1.50.**

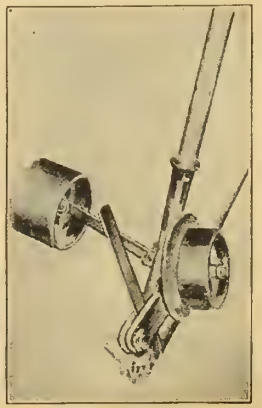
Scythe Stone. Natural, **15c each.**

Border Shears

For trimming the edges of borders and walks. 9-inch, **$4,75.**

Sheep—With thumb guard. For trimming grass on edges and around flower beds. Each, **45c.**

Sheep — Best quality steel, 9-inch. blade, **$1.35.**



Ideal Lawn Edger

For trimming around edges of lawns and walks. A remarkable tool for any lawn. Adjustable to any grade, and will run close to the walk. Keep knife sharp. Do not use on soaking or wet ground. Each.....**$2.50**

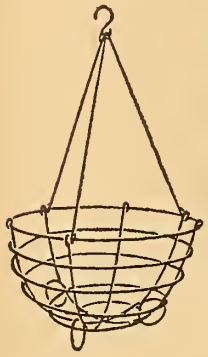
Owing to the fluctuations of the market prices are subject to change without notice.

VAUGHAN'S GARDEN

HANGING SELF-WATERING BASKETS

Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. The water goes directly into reservoir and is drawn upon as needed, so earth is always moist. "Never leak a drop"; may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price	No.	Depth	Square	Price
8	6 in.	8 in.	$1.75	12	8 in.	12 in.	$2.50
10	7 in.	10 in.	2.00	14	9 in.	14 in.	2.95



BASKETS—Wire Hanging. Each, 6-in., 20c; 8-in., 25c; 10-in., 30c; 12-in., 35c. 14 in., 45c; 16 in., 65c.

Earthenware Hanging.—Terra Cotta. Without hanging wire.

	Each	Doz.
7 in.	$0.32	$2.75
8 in.	.38	3.35
9 in.	.43	3.90
10 in.	.50	5.35
12 in.	.65	6.75

BOXES—Cut Flower.—Vaughan's "Green" Grade green lined, moisture-proof board. Very popular.

Size in inches	Weight per 100	Per 100	Size in inches	Weight per 100	Per 100
3 x16x4	33 lb.	$4.75	3½x30x5	75 lb.	$ 9.25
3 x18x5	40 lb.	5.50	4 x24x8	85 lb.	10.00
3 x21x5	45 lb.	5.90	5 x28x8	105 lb.	12.00
3½x24x5	60 lb.	8.00	5 x36x8	135 lb.	15.90
3½x21x7	65 lb.	8.35	6 x40x10	170 lb.	21.00

DANDELION PULLER.—The Vaughan. Made of best steel after an English pattern; 13½ in. long, weight 12 oz. Each, 50c.

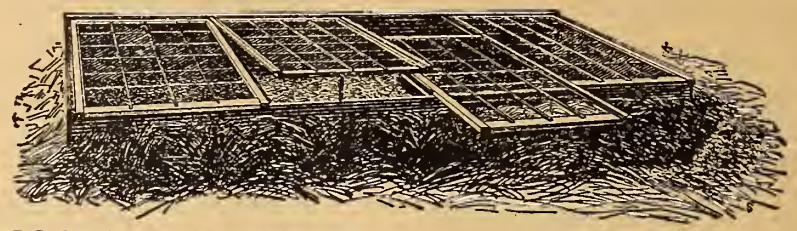
DANDELION KILLER.—Ideal. A tube 1½ in. diameter, 30 in. long, holds one quart gasoline, which is dropped into dandelions. Each, $1.25.

DIBBER. For transplanting vegetable plants; steel point. Each, 60c; (weight 10 oz.)

FORK.—Digging or spading, 4 tines. Each, $1.25.

FRUIT PICKER.—Gielow's Fruit Picker is built with a stout canvas bag hung on a strong metal frame with a mouth or lip operated by a line from below. Reaches all branches. high or low, works quickly, keeps fruit from getting bruised, does away with ladders.

Each.....$2.00



HOT BED SASH—Made of the very finest material. **Unglazed** are not painted. **Glazed,** painted one coat. Single strength glass. Add 85c. per sash for double strength.

Size, 3x6 ft., holds 3 rows 10-inch glass.
Unglazed, each, $2.70; 3 for $7.50; doz., $28.75.
Glazed, single strength glass, each, $7.30; 3 for $21.50; doz., $83.00.

Size 38 inch x6 ft., holds 4 rows 8-inch glass.
Unglazed, each, $2.85; 3 for $8.40; doz., $32.00.
Glazed, each, $7.75; 3 for $22.75; doz., $86.00.

Sash with double lights, making air cushion between for warmth.

Size, 3x6 ft., 3 rows 10-inch glass,
Glazed. single strength (for double strength add $1.75 per sash). Each, $12.00; 3 for $35.00; 6 for $68.00.

Prices Include Crating. F. O. B. Chicago.
Prices subject to change without notice.

RED DEVIL GLASS CUTTER. Each, 25c.

GLASS CUTTER DIAMOND. Each, $5.00

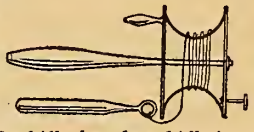
GLAZING POINTS. — Vaughan's Perfection No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c.

Siebert's Improved.—Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞-inch long. Price per lb., 70c.

GLOVES.—Gardener's. Per pair, $1.75.

GARDEN LINE REEL.—Each, $1.00; (weight 2 lbs.)

GARDEN LINE. Each heavy braided. Per 100 feet, $1.25; by mail, $1.35.



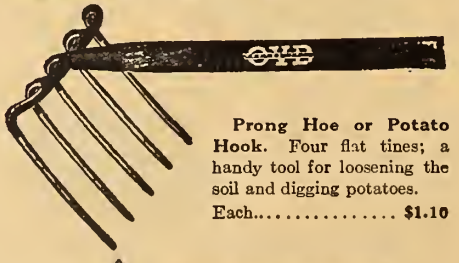
GRAFTING WAX.—Per ¼ lb. bar, 15c; ½ lb. bar, 25c; 1 lb. bar, 45c.

HOES

Draw or Field. Socket handle. Each, $1.00.

Combination Draw and Rake. 4½-inch cut and 4 teeth. Each, $1.00; 6½-inch cut and 6 teeth, $1.10.

English Scuffle or Push. 6-inch, $1.35; 8-in., $1.60.

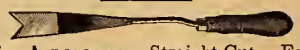


Prong Hoe or Potato Hook. Four flat tines; a handy tool for loosening the soil and digging potatoes.

Each..... $1.10

Warren. 7 in. cast steel, polished blade; best Garden Hoe made. Each, $1.00.

KNIVES



KNIVES.—Asparagus. Straight Cut. Each 50c; by mail, 55c.

Asparagus. Concave. Each, 55c; by mail, 60c.

Budding. Ivory handle. Each, $1.85. by mail, $1.90.

Budding Knife. Imported, 2 blades. Stag handle. Each, $2.00; by mail, $2.10.

Propagating. Ivory handle. Each, $1.85; by mail, $1.90.

Propagating. "The Vaughan," best of all. Each, $1.25; by mail $1.30.

Pruning. Stag handle, English. Each, $1.75; by mail, $1.85.

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, 35c; 3 for 85c.

HOT BED MATS AND PLANT BED CLOTH

Burlap Mats, lined, waste wool and cotton quilted **Size A,** 40x76 in., **$3.50 each; per dozen, $38.00. Size B,** 76x76 in., **$5.50 each.**

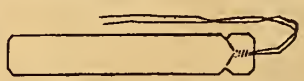
PLANT BED CLOTH. For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., 35c; heavy, 49c; 60 to 100 yds., medium, per yd., 33c; heavy, 47c; not less than 20 yds. of a kind sold.

LABELS.—Zinc Tree. Wired 3¾ inches long, ¾ inch wide. Price per dozen, 25c; 100, $1.75.

Wooden. For pots, painted.

	100	1000		100	1000
4 in.	$0.25	$1.35	6 in.	$0.40	$2.15
5 in.	.30	1.75	12 in.	1.00	8.75

Tree, Copper Wired. 3½ in. 100, 40c; 1000, $2.15.



Copper. Indestructible. Small, 25c doz.; 100, $1.75; large, 35c doz.; 100 for $2.50.

Cypress.—For use outside, will last for years, 16x1¼ in. Doz., 50c; 100 for $3.00; 18x2 in., doz., 60c; 100 for $3.60.

Iron Age.—Galvanized iron. The reading is protected by a sheet of mica. Each, 20c; doz., $2.20; 100 for, $16.25.

GRAPE BAGS

To enclose the growing bunches of grapes as a preventitive of Mildew and Black Rot, as well as attacks of Bees, Wasps and other Insects.

Glazed Paper Bags

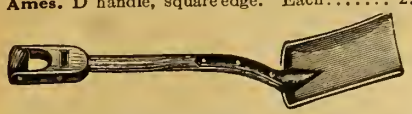
	Per Doz.	Per 100
Small size	$0.15	$1.00
Medium size	0.20	1.25
Large size	0.25	1.50

TOOLS and REQUISITES

SHEARS—Hedge. Best imported.

8-inch, with notch....$2.75
9-inch, with notch.... 3.25
10-inch, with notch.... 3.65
Notch at crutch of blade to cut small branches.

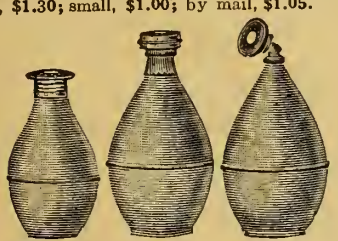
SHOVELS.—Ames. D handle, round point. Ea. $2.25
Ames. Long handle, round point. Each..... 2.25
Ames. D handle, square edge. Each..... 2.25



SPADES—Vaughan's. Special D handle. Ea..$1.90
Ames. D or long handle. Each..... 2.25

SPRINKLERS—The Lenox. A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, **75c**; by mail, **80c.**

Scollay's Rubber. Indispensable for floral work. Large, **$1.50**; by mail, **$1.55**; medium, **$1.25**; by mail, **$1.30**; small, **$1.00**; by mail, **$1.05.**



SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ½ inch. Each, **$1.50.**

STAKES—

	Per doz.	100
Heavy Dahlia. 3 ft.	$1.10	$ 7.95
Heavy Dahlia. 4 ft.	1.50	10.50
Heavy Dahlia. 5 ft.	1.75	12.75

STAKES—Green Painted Wood. Very useful for tying plants, shrubs, etc.
Light Weight.

	Per doz.	100		Per doz.	100
1½ ft.	$0.35	$1.90	3½ ft.	$0.90	$6.25
2 ft.	.45	2.90	4 ft.	1.10	7.50
2½ ft.	.65	3.90	5 ft.	1.20	9.50
3 ft.	.75	5.10		Per 100	1000
Cane Stakes. 6 to 8 ft. long				$2.00	$9.50
Cane Stakes. 9 to 12 ft. long, extra heavy				2.50	17.50

Prices on cane Stakes f. o. b. Chicago. Write for prices f. o. b. New York.

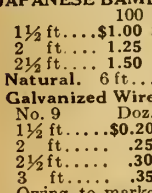
JAPANESE BAMBOO—Plain and Green Painted.

	100	1000		100	1000
1½ ft.	$1.00	$ 8.75	3 ft.	$1.75	$15.00
2 ft.	1.25	10.50	3½ ft.	1.85	16.50
2½ ft.	1.50	12.50	4 ft.	1.95	18.00
Natural. 6 ft.				2.25	20.00

Galvanized Wire Stakes.

No. 9	Doz.	100	No. 8	Doz.	100
1½ ft.	$0.20	$1.10	3½ ft.	$0.40	$2.60
2 ft.	.25	1.45	4 ft.	.50	2.90
2½ ft.	.30	1.65	5 ft.	.60	3.50
3 ft.	.35	1.95	6 ft.	.65	4.00

Owing to market conditions prices are subject to change without notice.

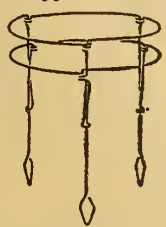


TUBS—(Flower) Richmend. These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1.. 6x 6	$0.65	$2.50	9..14x13	$1.75	$ 6.75
3.. 8x 8	.70	2.65	11..16x15	2.25	8.25
5..10x 9	.95	3.60	13..18x17	2.85	11.00
7..12x11	1.30	5.00	14..19x18	3.35	13.00

If handles are required add 35c per tub.
The first numeral is diameter at top; the second is depth.

THERMOMETERS. Tin Case. 8-in, 45c; 10-in. 50c.
Cabinet. Wood case, **85c**; 3 for **$2.25.**
Hot Bed. Brass point, wooden frame, **$2.50.**
Self Registering. With magnet to set it, 8-inch, each, **$5.00**; registers highest and lowest temperature. Minimum for registering cold, **$2.75.**
Coppered Tin Case. 8-inch, easy reading, **50c.**



TOMATO SUPPORTS— Made of heavy galvanized wire.

F. O. B. New York. Each, **45c**; doz., **$4.60.**

F. O. B. Chicago. Each. **50c**; doz., **$5.00.**

TRELLIS.—Wood. Fan shape. 18-inch, **35c**; 3 for **95c.** 24-inch, **40c**; 3 for **$1.10.** 30-inch, **60c**; 3 for **$1.65.** 36-inch, **$1.00**; 3 for **$2.85.** 3½ ft., 21 inches wide, **$1.10**; 4 ft., 27 in. wide, **$1.45**; 5 ft., 32 in. wide, **$1.75**; 6 ft., 38 in. wide, **$1.95**; 7 ft., 42 in. wide, **$2.25.**

Veranda—18-inch wide, 5 feet, **$1.75**; 6-feet, **$1.95**; 7 feet, **$2.10**, 8-feet, **$2.45**, 9 feet, **$2.75**; 10 feet, **$3.10.**

TROWELS—

Vaughan's Steel. One solid piece of steel and will outwear all others. Each, **75c**, 3 for **$2.10**, Postpaid, each, **85c.**
Ordinary Garden. 6-inch, each, **20c**, prepaid, **25c.**
English Steel. 6-inch, each, **30c**; prepaid, **40c.**
Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being deeply curved. 6-inch, **25c**; postpaid, **35c.**

VASE.—Cemetery.—Earthen, green, 10 inch, sharp point, each, **40c.**

Fibre. For Cut-Flowers. Unbreakable.
9 inches deep, 4½ in. diam., each, **$1.35.**
10 inches deep, 5½ in. diam., each, **$1.60.**
13 inches deep, 8 in., diam., each, **$2.00.**
18 inches deep, 5½ in. diam., **$2.10.**

Green Cemetery Vase.

Fibre Glazed Vase.

WATER BARREL, HAND CART, LEAF RACK

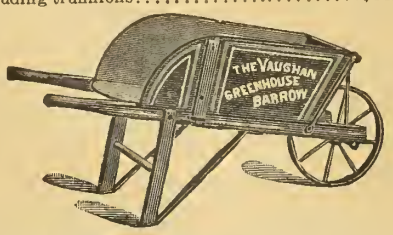
Adjustable to One Truck

Water Barrel. Can be used for a variety of purposes; barrel can be easily attached or detached from the truck by simply raising or lowering the handles. Barrel with trunnions for attaching to truck. **Price, $6.50**
Sprinkler attachment for barrel **$5.00.** (Truck extra)

Hand Cart. Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23½ inches; depth, 8 inches, **Price $6.00.** (Truck extra).

Leaf Rack. Very convenient for the cartage of leaves, cut grass from the lawn, etc. Rack has an average width of 28 in. by 42 ins., and is 21 ins. deep.
Price $12.50. (Truck extra),

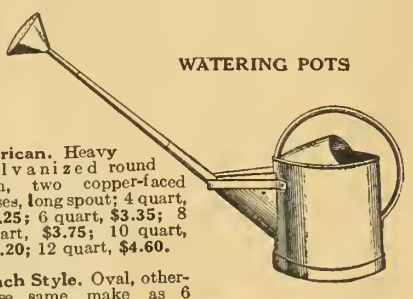
Price of Truck, No. 2, steel wheels, 2½ inch tread, including trunnions.....$14.75



WHEELBARROWS.—Globe Garden. Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Has a 20 inch wheel. Price, with steel wheel, **$6.25.**

Vaughan Greenhouse. We had numerous calls for a greenhouse wheelbarrow, the ordinary wheelbarrow being too wide. We built a special barrow which fills this want perfectly. Price, each, **$7.75.**

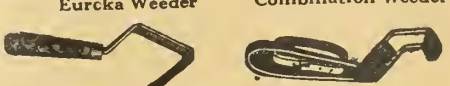
WATERING POTS



American. Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, **$3.25**; 6 quart, **$3.35**; 8 quart, **$3.75**; 10 quart, **$4.20**; 12 quart, **$4.60.**

French Style. Oval, otherwise same make as 6 quart, **$3.85**; 8 quart, **$4.20**; 10 quart, **$4.60**; 12 quart, **$5.10.**

Eurcka Weeder **Combination Weeder**



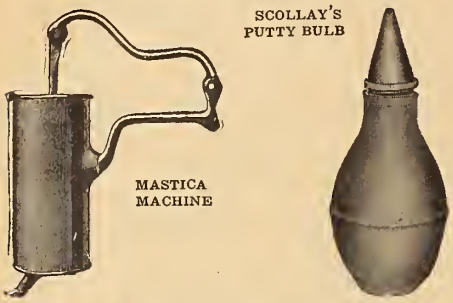
Hazeltine Weeder **Lang's Weeder**

WEEDERS.—Combination. Each, 35c.
Eureka. Best hand weeder for loosening soil around plants. Short handled, **45c**; long handled, **60c**; (Mailing weight, ½ lb.)
Excelsior. Each, **15c,** (Mailing wt., 4 oz.)
Lang's. We find this by actual trial a real labor saver. Each, **$25c.** (Mailing weight, 4 oz.)
Hazeltine. Each, **30c.** (Mailing weight, 6 oz.)
Norcross Weeder. Each, **40c.**
Piqua. Long handled useful tool, makes weeding easy, no stooping. Price, **$1.25.**

The Wonder Weeder. For Dandelion, Plantain, etc., in lawns. It gets the weeds, fast, clean and deep. It absolutely will not break up the sod. Just two simple movements and your weed is out. No backache soiled hands or clothing. Each, **50c.**

MISCELLANEOUS HORTICULTURAL SUPPLIES

BEST MATERIALS FOR GREENHOUSE USE



MASTICA. For glazing greenhouses, hotbeds, sash etc., better than putty, does not crack, always remains soft. Per gallon, **$2.75.**

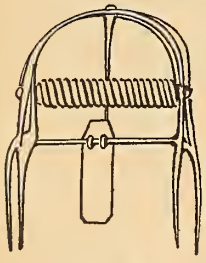
MASTICA MACHINE. For applying above. (Weight 1½ lbs.) Each, **$2.75.**

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, **$3.25.**

PUTTY BULB. Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight ½ lb.) Each, **$1.50.**

PUTTY KNIFE. Each, **35c.**

NEBELASTIC GLAZING CEMENT. A perfect compound for glazing, re-glazing and repair work on greeenhouses and sash. Made from a long fiber asbestos and elastic gums. For glazing purposes it requires about 3 gallons to each thousand feet of glass. Price, per gal., **$1.65**; 5 gals., **$8.00**; in 35 and 55 gal. drums, per gal., **$1.50.**
Glazing gun gratis with each 35 or 55-gal. drum.



MOLE TRAP. Out O' Sight. One of the best mole and gopher traps. Each, **$1.25.**

MOSS. Sphagnum. Burlapped bales. Ea., **$2.75.**

SHEET MOSS (Green). Freshly gathered; for Windows, Boxes, etc. Per sack, **$2.75.**

POTS (Flower)

F. O. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully but will not be responsible for breakage.

	Doz.	100	1000		Doz.	100	1000
2 in.	$0.25	$1.25	$8.25	6 in.	$1.00	$7.00	$.....
2½ in.	.30	1.35	10.95	7 in.	1.75	11.75	.....
3 in.	.35	1.75	15.00	8 in.	2.10	16.00	.....
4 in.	.55	3.00	.....	10 in.	....	each,	.45
5 in.	.75	4.75	.....	12 in.	....	each,	.70

PANS (Azalea).

	Each	Doz.		Each	Doz.
6 in.	$0.12	$1.00	9 in.	$0.35	$3.50
7 in.	.17	1.75	10 in.	.45	4.50
8 in.	.23	2.10	12 in.	.70	.....

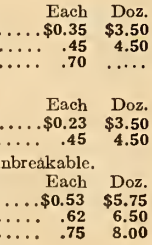
PANS (Fern).

	Each	Doz.		Each	Doz.
6 in.	$0.12	$1.00	8 in.	$0.23	$3.50
7 in.	.17	1.75	10 in.	.45	4.50

SAUCERS Fibre, waterproof and unbreakable.

	Each	Doz.		Each	Doz.
5 in.	$0.38	$4.35	9 in.	$0.53	$5.75
6 in.	.40	4.50	10 in.	.62	6.50
7 in.	.45	4.75	12 in.	.75	8.00
8 in.	.48	5.00			

NEPONSET PAPER POTS. Made of water-proof paper, light, clean and unbreakable.



	Doz.	100	1000
2¼ in.	$0.12	$0.65	$4.50
2½ in.	.15	.75	5.25
3 in.	.16	.90	7.25
3½ in.	.18	1.15	9.25
4 in.	.22	1.35	11.00
5 in.	.30	2.00	18.00
6 in.	.35	2.50	22.00

POT HANGER. Kramer's. Converting flower pots into hanging baskets.
Price, each, 15c; doz., postpaid, $2.00.

"ILLINOIS" PORCH BOXES

Made on the same principle but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like old wooden boxes. Refill every 10 days.

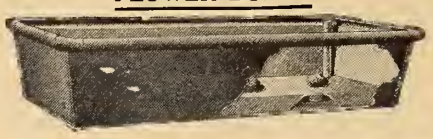
9 in. deep, 12 in. wide.			8 in. deep, 12 in. wide.		
No.	Length	Price	No.	Length	Price
23	45 in.	$5.85	25	53 in.	$6.75
24	49 in.	6.30			

"SAVO" SELF-WATERING FLOWER BOXES

Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beatifully finished in aluminum.

	Height	Width	Length	Price
Model A,	6½ inches,	6½ inches,	23 inches,	$3.00
Model B,	8 inches,	9½ inches,	29 inches,	4.00
Model C,	8 inches,	9½ inches,	35 inches,	4.50
Model D.	8 inches,	9½ inches,	41 inches,	5.00
Model E,	8 inches,	12 inches,	12 inches,	3.50
Model F,	12 inches,	12 inches,	12 inches,	4.00

"ILLINOIS" SELF-WATERING FLOWER BOXES

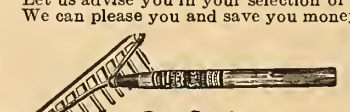


Neat, convenient and practical window box made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plant leaves the soil in a loose condition, always moist, ideal for plant growth.

All these of uniform measure, 8-in. deep, 9½-in. wide, (except No. 0, 6-in. deep, 6-in. wide).

No.	Length	Price	No.	Length	Price
0	16 in.	$2.20	6	33 in.	$3.50
1	23 in.	2.50	7	35 in.	3.70
2	25 in.	2.70	8	37 in.	3.90
3	27 in.	2.90	9	39 in.	4.10
4	29 in.	3.10	10	41 in.	4.30
5	31 in.	3.30			

We supply **all plants** for Window and Porch Boxes, Tubs, Urns, etc.
Specially prepared potting mold that will give best results. Peck, **40c**; bushel, **$1.25**; barrel, **$3.00.**
Let us advise you in your selection of plants.
We can please you and save you money.



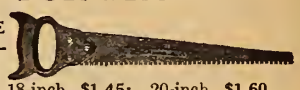
RAKES—Steel Bow Garden. Best, does not break; **Steel Bow** 12 teeth, **$1.10**; 14 teeth, **$1.20**; 16 teeth, **$1.30.**

Garden Rake **Garden.** 12 teeth, **75c**; 14 teeth, **85c**; 16 teeth, **95c.**

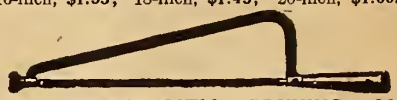
Lawn Rakes.
See page 131.

STAND. Rolling. For heavy plants. Made of indurated fiber ware. Castors have ball bearings; 12-inch, **$1.10**; 14-inch, **$1.35**; 16-inch, **$1.75**; 18-inch, **$2.00.**

TOOLS FOR PRUNING

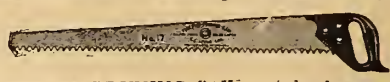


SAWS, DOUBLE EDGED PRUNING.
16-inch, **$1.35**; 18-inch, **$1.45**; 20-inch, **$1.60.**



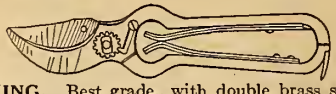
VAUGHAN'S PERFECTION PRUNING. Made of the best steel with adjustable blade, so any branch can be easily removed close to trunk of the tree. Can be used as a hand saw or fastened to any size pole. Each, **$2.25**; 3 for **$6.50.** Extra blades, **25c.**

CALIFORNIA POLE TRIMMER. Curved, draw-cut saw with crook for removing branches. Each, **$1.75.**



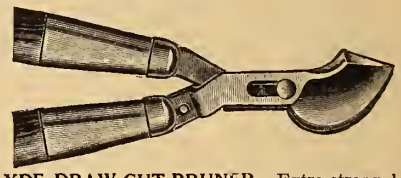
FORESTER PRUNING SAW. Makes heavy pruning easy and saves time. 26 inches long. Each, **$1.50.**

PRUNING. 6-inch, nickel-plated **$1.35**; 9-inch, **$1.75.** Extra springs, each, **15c.**

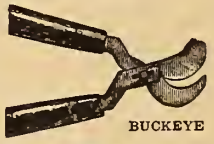


PRUNING. Best grade,, with double brass springs. Each, **$1.90.**

LEVIN'S PRUNING. One of the best pruning shears made. Each, **85c.**



CLYDE DRAW CUT PRUNER. Extra strong, long handle, **$3.25.**

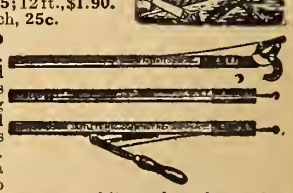


BUCKEYE

BUCKEYE PRUNING. Long handle. Each, **$1.65**; large size, heavier, **$1.85.**

TREE PRUNERS. Waters'. Length of pole, 6 ft., **$1.35**; 8 ft., **$1.50**; 10 ft., **$1.75**; 12 ft., **$1.90.** Extra knives, each, **25c.**

No. 4, JOINTED TREE PRUNER. The cutting head is made truss shape from strong high grade rolled steel. The pole is made of 4 ft. lengths, making a tool convenient to carry on street car or automobile, and can be used as an 8 ft. or 12 ft. pruner. Price, complete, **$4.50.**



SEED SOWER. Cyclone. (New Improved Model). An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, **$1.50.**

VAUGHAN'S HIGH-GRADE FERTILIZERS

For Furnishing Plant Food and for Physical Improvement of Soils.

WHY FERTILIZERS? The answer is that fertilizers increase profits wherever properly used. They are carriers of plant food in an available and concentrated form. They contain the three elements of plant food most needed in crop production. Nitrogen, usually referred to as ammonia, phosphorus in the form of available phosphoric acid and potassium, or popularly potash. Nitrogen causes quick and vigorous plant growth, available phosphoric acid fill the grain or fruit and hastens ripening. Potash strengthens the straw or stalk and helps to plump and fill the grain and fruit. The scientific gardener fits his fertilizer to his soil and the crop he is growing. We shall be pleased to make suggestions to customers in doubt as to what to use.

VAUGHAN'S LAWN AND GARDEN FERTILIZER

Formula 3-11-1, meaning 3 per cent available ammonia, 11 per cent phosphoric acid, 1 per cent potash. A very desirable high grade all around fertilizer. There is sufficient ammonia to give the young plants a quick and vigorous start and maintain a healthy growth. Grass and early garden truck need lots of phosphoric acid, which this supplies. For lawns, make first application in the early spring when frost is out of the ground, distribute evenly 25 pounds of fertilizer to every 1,000 square feet of lawn. In seeding down a new lawn, scatter double the amount, 50 pounds of fertilizer in every 1,000 square feet; rake thoroughly, then sow seed. **5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.50; 50 lbs., $2.40; 100 lbs., $3.95; 250 lbs., $9.25; 500 lbs., $16.95; 1,000 lbs., $29.00; 2,000 lbs., $57.50.**

VAUGHAN'S 3-8-1 FERTILIZER. This brand has been especially prepared for such crops as require a quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, cauliflower, celery, fruits, especially strawberries, suitable for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1000. **Price, 25 lbs., $1.45; 50 lbs., $2.40; 100 lbs., $3.85; 250 lbs., $9.00; 500 lbs., $16.50; 1000 lbs., $28.00; 2000 lbs., $55.50.**

BONE, BLOOD AND POTASH

Fertilizer Mixture 5-8-7 Per Cent Analysis

This is our best brand of concentrated manure; excellent for mixing into potting soil or as a top dressing. It is a **money maker.** For potting soil use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using an 8-inch potful to a barrel of water. **25 lbs., $2.00; 50 lbs., $3.45; 100 lbs., $6.25; 500 lbs., $26.00; 1,000 lbs., $46.25; 2,000 lbs., $91.75.**

BONE AND BLOOD. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. **Price, 25 lbs., $1.65; 50 lbs., $2.85; 100 lbs., $4.65; 250 lbs., $11.00; 500 lbs., $20.25; 1000 lbs., $35.00; 2000 lbs., $69.50.**

FERTILIZER MIXTURE 2-8-1

For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1000; Potato, 500 to 1000; Sage, 200 to 600; Salsify, 500 to 1000; Turnip, 500 to 1000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000. **Price, 25 lbs., $1.35; 50 lbs., $2.20; 100 lbs., $3.40; 250 lbs., $8.10; 500 lbs., $14.50; 1000 lbs.. $24.50; 2000 lbs., $48.50.**

DRIED BLOOD. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, 'mums, all kinds of pot plants. **Price, 5 lbs., 80c; 10 lbs., $1.50; 25 lbs., $3.50; 50 lbs., $6.50; 100 lbs., $11.25; 250 lbs., $26.00; 500 lbs., $50.00.**

ACID PHOSPHATE Fourteen per cent available. Animal or bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. **Price, 25 lbs., $1.05; 50 lbs., $1.65; 100 lbs., $2.45; 250 lbs., $5.65; 500 lbs., $10.00; 1000 lbs., $16.25; 2,000 lbs., $32.00.**

HARD WOOD ASHES. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. **Price, 25 lbs., 90c; 50 lbs., $1.65; 100 lbs., $2.75; 500 lbs., $9.00; 1000 lbs., $15.50; 2000 lbs., $30.00.**

LAND PLASTER OR GYPSUM A high grade lime product for sweetening heavy and sour soils.
Per 100 lbs., $2.00; 500 lbs., $8.00.

PULVERIZED LIMESTONE. The agricultural value of lime has been known for centuries, it is an economic neutralizer for soil acidity, also beneficial to the soil in many other ways; it improves the texture of the soil, lets in air and moisture liberates nitrogen and other plant food, makes your soil sweet—enlivens it—that is, makes conditions favorable to plant growth by giving life to the soil bacteria which make it productive. Lime will be found very beneficial in the growing of all garden crops, fruit trees and flowers. Try it on the lawn too. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Packed in cotton sacks—not paper.

Price, 100 lbs., $1.50; 500 lbs., $5.50; 1000 lbs., $9.00; 2000 lbs., $17.00.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125 and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of $2.00 or more. On larger quantities than 250 pounds the customer pays all freight or express charges.

VAUGHAN'S "ROSE GROWER" BONE MEAL.

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4½ to 5½ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. **Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.60; 50 lbs., $2.70; 100 lbs., $4.35; 250 lbs., $10.25; 500 lbs., $18.85; 1000 lbs., $32.50; 2000 lbs., $64.50.**

Quantity Required.—For permanent pasture and mowing lands ½ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1000 to 1500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

REGULAR BONE MEAL. 25 lbs., $1.45; 50 lbs., $2.40; 100 lbs., $3.80; 250 lbs., $8.90; 500 lbs., $16.25; 1000 lbs., $27.60; 2000 lbs., $54.70.

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary.
Price, 5 lbs., 30c; 10 lbs., 55c; 25 lbs., $1.20; 50 lbs., $1.80; 100 lbs., $2.85; 500 lbs., $12.00; 1000 lbs., $19.50; 2000 lbs., $38.50.

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is **to grow maximum crops** you must furnish the plant with Nitrogen.

HOW TO USE NITRATE OF SODA

Remove the lumps before using and break them up, which can be done by pounding. Use as a top-dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: **Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.**

For **Asparagus,** a top-dressing of 250 lbs. per acre just as soon as the first shoots make their appearance. For **Strawberries,** a top-dressing of about 100 lbs. per acre after the plants have blossomed.

For the **Home Garden** apply as a solution one ounce to two gallons of water. **Price (subject to market changes), 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.25; 50 lbs., $4.00; 100 lbs., $6.50; 500 lbs., $28.00; 1000 lbs., $35.00; 2000 lbs., $105.00. Write for prices on larger quantities.**

SHREDDED CATTLE MANURE. An efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and clean to handle as grain, being perfectly dry and can be stored anywhere until wanted for use. **Price, 25 lbs., $1.25, 50 lbs., $1.80; 100 lbs., $2.35; 500 lbs., $9.50; 1000 lbs., $15.00; 2000 lbs ., $29.50.**

PURE ICHTHEMIC GUANO. An Ideal Plant Food, that exactly fulfills all the requirements of Plants and Flowers, Fruit and Vegetables in a well-balanced form.

DIRECTIONS FOR USE.—(1) In the dry state, **1 to 2 ounces to the square yard of ground.** (2) In a liquid state, **a tablespoonful to a gallon of water** in the case of pot plants, about three times a week. (3) In a dry state mix with soil, when potting, **1 part to 100 parts of soil.**

Imported in original bags of 112 lbs. each. **28 lbs., $4.20; 56 lbs., $7.10; 112 lbs., $11.75.**

CLAY'S FERTILIZER This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them back to the highest perfection. It should also be used in potting soil as a top-dressing. **Price, 7 lbs., $1.35; 14 lbs., $2.35; 28 lbs., $4.20; 56 lbs., $7.10; 112 lbs., $11.75.**

SCOTCH SOOT. (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. **Price, 25 lbs., $1.80; 50 lbs., $3.00; 100 lbs., $4.50; 500 lbs., $19.00.**

VAUGHAN'S CONCENTRATED PLANT FOOD

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months. **20c; 3 for 55c;** (by mail add 5c per pkg); large package, containing sufficient plant food for one year, **30c; 3 for 80c;** (by mail add 10c per pkg.) Directions in package.

IMPORTANT. The prices on this page are based on present prices of fertilizers and are subject to change as market fluctuates.

We are not responsible for loss of weight, due to evaporation, of imported fertilizers.

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At Western Springs we are setting thousands of young plants from which to propagate and grow on new stock. Where our climate and soil are not suitable to successfully raise certain species we are making all efforts to locate possible growing sections affording more favorable conditions of weather and soil. At Western Springs —on the Vaughan Farm at Homewood, and on our Michigan Farms, we have greatly increased our acreages. This year we are purchasing an additional eighty acres for our Michigan plantings.

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Warehouse Michigan Growing Station Ovid, Mich.

Our Warehouses at Morton Grove and at Ovid, Michigan, are ideal for their respective uses. The one at Morton Grove is an insulated tile building erected especially for the storage of onion sets. It is 208 feet long and 60 feet wide and will hold 50,000 bushels. In the last two or three years practically every Onion Set warehouse built has used ours as a model.

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